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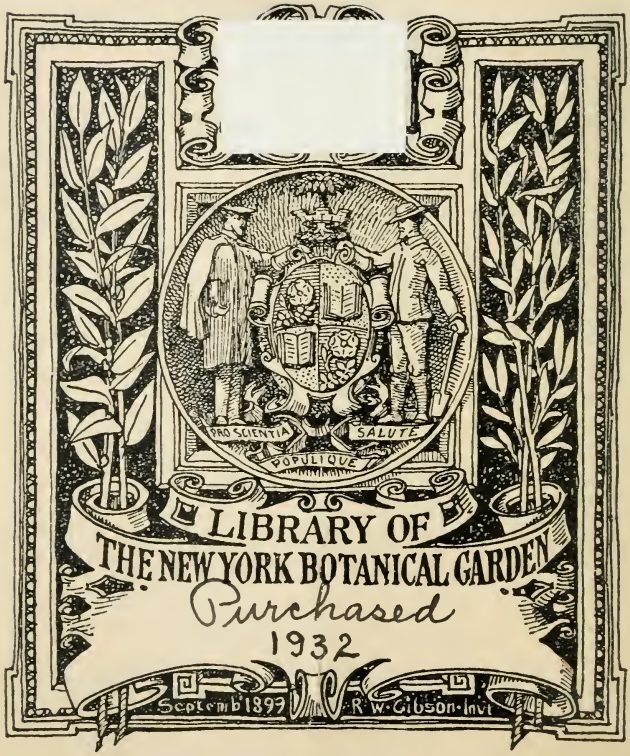
FAUNA AND FLORA

OF

HAILEYBURY.

1902.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FAUNA AND FLORA

OF

HAILEYBURY.

SECOND ISSUE.

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JUNE, 1902.

"Felix qui potuit rerum cognoscere causas."

HERTFORD:
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H32
1902

PREFACE.

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THE report of the N.S.S. published in 1873 included lists of mammals, birds, reptiles, batrachians, beetles, butterflies and moths, molluscs, and the flowering plants of the neighbourhood. In the report of 1877 similar lists were published. In 1888 the "Fauna and Flora of Haileybury, Part I," was brought out interleaved and bound in limp cloth. Part II was to have contained lists of beetles and microscopic pond animals, but never appeared. The present edition is got up like the former one. A considerable number of new species have been added to our lists, and a far larger number have been more firmly established. Unfortunately this is not true of the molluscs, as there has been little work done at conchology for some years past. Some new ground is broken, for there is a long list of Rotifers and a very short list of Infusorians.

I now quote some good advice from the former edition:—"We hope these lists will promote collecting and, still more, observing. For it cannot be too strongly insisted on, that acquisition is valuable only so far as it assists observation. The interleaving is meant to help in the carrying out of this principle. All observations should be carefully recorded *at the time* with the date and locality, and, if of sufficient importance, notified to the heads of sections or to the President. The Society's collections should be used in connection with the lists." I add a word to our entomologists, the most energetic of our outdoor naturalists. At present the whole number concentrate their energies on the Lepidoptera, and it would be much better if some of them extended the range of their activities to dragon-flies, say, and bees and wasps.

MAR 9 1932

Thanks are due to Mr. Vaughan and N. R. D. Tennant for their services in making out this edition.

F. W. H.

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FAUNA.

MAMMALIA.

We have stuffed specimens of those marked †. Mammals have been neglected; probably because they were so few in number.

CHEIROPTERA.

Pipistrellus pipistrellus	*Common Bat* or *Pipistrelle*	Only these observed. There may be more.
†Plecotus auritus	*Long-eared Bat*	
Pipistullus noctula	*Noctule* or *Great Bat*	

CARNIVORA.

†Putorius nivalis	*Weasel*	
† ,, ermineus	*Stoat* or *Ermine*	
Meles meles	*Badger*	One seen by New River between Amwell and Ware, 1891.
Vulpes vulpes	*Fox*	
†Lutra lutra	*Otter*	One killed at Bayfordbury, 1889; two at Hoddesdon, 1898.

INSECTIVORA.

†Talpa europæa	*Mole*	
†Sorex araneus	*Shrew-mouse*	
Neomys fodiens	*Water-shrew*	Twenty Acre Field.
†Erinaceus europæus	*Hedgehog*	

RODENTIA.

Lepus europæus	*Hare*	
,, cuniculus	*Rabbit*	
Muscardinus avellanarius	*Dormouse*	
Mus musculus	*Common Mouse*	
,, decumanus	*Common Rat*	
† ,, silvaticus	*Long-tailed Field-mouse* or *Wood-mouse*	The Heath.
,, minutus	*Harvest-mouse*	
†Microtus agrestis	*Short-tailed Field-mouse* or *Vole*	The Heath.
† ,, amphibius	*Water-rat* or *Vole*	
†Sciurus vulgaris	*Squirrel*	

AVES.

Since 1888 the bird population has, probably, maintained its numbers, the song birds being still in great force: the 'keeps' help them to defy the rapacity of collectors. The regrettable diminution in some few species is chronicled in the notes.

The present list is fortified by a good many new observations. If the whole county were included within our radius it would be much longer, Tring Reservoir, for instance, having a large avifauna of its own to boast of.

Haileybury is a good place for the observation of Spring migrants, and members are strongly urged to note, record in their diaries, and mention to Mr. Vaughan or the Curator of Birds the first appearance of each. The habits, plumage, etc., of birds require patient observation. *Mere egg-collecting is not of much value.*

The Society's collection contains mounted specimens of those marked †, unmounted of those marked ‡, and the eggs of all the birds in the list with two or three exceptions. It is hoped that members, former members, and other Old Boys will do what they can to enlarge the collection of stuffed birds.

Most of the notes have been contributed by Mr. Vaughan, some by E. J. Noble, O.H., some by myself. They may be known by the V., N., or H. following them. Other names are given in full.

ACCIPITRES.

Falco milvus (?)	*Kite*	Said to have been seen over Gallows Hill, 1872.
† ,, tinnunculus	*Kestrel*	Common in Autumn (V.). Nest at end of R. Road, 1901 (R. E. Weber).
† ,, nisus	*Sparrowhawk*	Common. Would breed if allowed to.
† ,, peregrinus	*Peregrine Falcon*	Two shot at Bennington, 1891 (N.).
,, subbuteo	*Hobby*	One shot at Hertford, 1891 (N.). In 1874 or 1875 a pair nested in wood at end of avenue (H. A. Macpherson).
Buteo vulgaris (?)	*Common Buzzard*	Woods near Broxbourne, 1889 (?).

Order STRIGES. Fam. STRIGIDAE.

†Strix flammea	*Barn Owl*	
†Asio otus	*Long-eared Owl*	Nest in Balls Park, 1875 (G. B. Batten). Woods near Broxbourne, 1889 (Mr. Beck).
,, accipitrinus	*Short-eared Owl*	One shot at Woodhall, 1891 (N.).
†Syrmium aluco	*Tawny* or *Brown Owl*	Nest at end of R. Road, 1899 (R. E. Weber). Fairly common at Wormleybury, 1889 (Mr. H. North Bushby).
Athene noctua	*Little Owl*	A pair bred near Hunsdonbury, 1898 (Mr. J. H. Buxton). Probably introduced.

Order PASSERES. Fam. LANIIDAE.

†Lanius excubitor	*Great Grey Shrike*	Occasionally reported to have been seen (H.).
,, collurio	*Red-backed Shrike*	Used to nest yearly some time ago in several localities; a few pair still breed in the neighbourhood.
,, pomeranus	*Woodchat*	Said to have been seen behind Sanatorium, Summer, 1873 (H.).
†Oriolus galbula	*Golden Oriole*	Nest in wood by Twenty Acre Field, 1876 (G. B. Batten). Two seen near Woodhall, 1891 (N.).

Fam. MUSCICAPIDAE.

†Muscicapa grisola	*Spotted Flycatcher*	Very common (V.).
,, atricapilla	*Pied Flycatcher*	In Mr. Turner's Nurseries, Ware Road, May, 1892; only stayed for two days (V.).

Fam. TURDIDAE. Sub-fam. TURDINAE.

†Turdus viscivorus	*Missel Thrush*	Common.
† ,, musicus	*Song Thrush*	Common.
† ,, iliacus	*Redwing*	Common.
† ,, pilaris	*Fieldfare*	Generally appears first week of November (V.).
,, merula	*Blackbird*	
Saxicola œnanthe	*Wheatear*	Rare migrant. Generally seen early in Spring (V.).
†Pratincola rubetra	*Winchat*	Commoner than preceding. A few pairs breed (V.). Lea near Amwell (H.).
† ,, rubicola	*Stonechat*	Commoner than preceding. Lea near Rye House; field up R. Road (V.).
‡Ruticilla phœnicurus	*Redstart*	Common.
‡Erithacus rubicuta	*Redbreast Robin*	Common.
Daulias luscinia	*Nightingale*	Common.

Sub-fam. SILVIINAE.

†Silvia cinerea	*Common Whitethroat*	Very common. Most of the warblers are common on the Heath, and the Willow Wren may sometimes be seen in the Quad picking the aphides off the leaves of the creepers (V.).
,, curruca	*Lesser Whitethroat*	Rarer than preceding, but still common (V.).

†Silvia atricapilla	*Blackcap*	Common.
† ,, hortensis	*Garden Warbler*	Common.
†Regulus cristatus	*Golden-crested Wren*	Fairly common.
†Phylloscopus trochilus	*Willow Wren*	The two commonest warblers about here, and the earliest to arrive. I have seen and heard the Chiffchaff as early as March 19th (V.).
,, rufus	*Chiffchaff*	
† ,, sibilatrix	*Wood Wren*	Rare. A few pairs on Broxbourne Common, but seldom seen or heard on the Heath (V.).
Acrocephalus streperus	*Reed Warbler*	The birds were seen near here, and the eggs taken properly identified, May, 1901 (V.).
,, phragmitis	*Sedge Warbler*	Common in places, e.g. Mississippi, and also in a shrubbery on Amwell-hill (V.).
Locustella naevia	*Grasshopper Warbler*	An uncertain visitor. I have seen and heard it in the grass fields on the other side of the Terrace Field. Rare the last few years (V.).

Sub-fam. ACCENTORINAE.

†Accentor modularis	*Hedge-sparrow*	

Fam. PANURIDAE.

†Acredula caudata	*Long-tailed Titmouse*	Common.
†Parus major	*Great Titmouse*	The Great Titmouse, Blue, and Cole Tit are common in the immediate vicinity of the College, and the Blue Tit often breeds in Hailey House yard (V.). Marsh Tit is fairly common (H.).
,, palustris	*Marsh Titmouse*	
† ,, coeruleus	*Blue Titmouse*	
† ,, ater	*Cole Titmouse*	

Fam. SITTIDAE.

‡Sitta caesia	*Nuthatch*	Fairly common. Breeds every year in School grounds (V.).

Fam. TROGLODYTIDAE.

†Troglodytes parvulus	*Wren*	

Fam. MOTACILLIDAE.

†Motacilla lugubris	*Pied Wagtail*	Common; often to be seen in the Quad (V.).
,, melanope	*Grey Wagtail*	Occasionally seen in the river valleys, e.g. Bean and Ash (V.).

‡Motacilla rayi	*Yellow Wagtail*	Rare; once seen in the stream at the back of Hoddesdon (V.). By Lea, 1890 (H.).
†Anthus pratensis	*Meadow Pipit*	
,, trivialis	*Tree Pipit*	Not on Heath, 1901, but common in woods (H.).

Fam. HIRUNDINIDAE.

†Hirundo rustica	*Swallow*	Common.
†Calydon urbica	*Martin*	Common.
†Cotile riparia	*Sand Martin*	Common.

Fam. ARTHIDAE.

†Certhia familiaris	*Tree Creeper*	Sometimes to be seen climbing up the trees in Hailey House yard (V.).

Fam. FRINGILLIDAE. Sub-fam. FRINGILLINAE.

†Carduelis elegans	*Goldfinch*	Bred in avenue, 1888. Very rare now (V.).
†Chrysomitris spinus	*Siskin*	One shot and others seen by Mr. W. Campbell, 1890.
†Ligurinus chlorus	*Greenfinch*	Very common.
†Coccothraustes vulgaris	*Hawfinch*	Fairly common. Often in Mr. Fenning's garden and on Heath. Once saw thirteen together in March in Cow Heath, 1888. Holds its own well (V.).
†Passer domesticus	*House-sparrow*	Common.
† ,, montanus	*Tree-sparrow*	
†Fringilla cœlebs	*Chaffinch*	Common.
† ,, montifringilla	*Brambling*	Uncertain visitor (V.).
†Linota cannabina	*Linnet*	Common (V.).
† ,, linaria (?)	*Mealy Redpoll*	Almost certainly to be found, though not observed (H.).
,, rufescens (?)	*Lesser Redpoll*	
†Pyrrhula europaea	*Bullfinch*	Keeping up its numbers. Often to be seen near the College and on the Heath (V.).

Sub-fam. EMBERIZINAE.

Emberizina miliaria	*Corn Bunting*	Not very common (V.). Near Bengeo Lock (H.).
† ,, citrinella	*Yellow Ammer*	Common.
,, circlus (?)	*Cirl Bunting*	Hertford Heath, 1875.
† ,, schœniclus	*Reed Bunting*	Common along Lea.

Fam. Loxiidae.

†Loxia curvirostra	*Crossbill*	Very rare. One shot by Mr. W. Campbell about 1890.

Fam. Sturnidae.

‡Sturnus vulgaris	*Starling*	Very common. Sometimes roost in large numbers in the woods near the College in the late Autumn and Winter, and just before they do so the elms in the Pavilion Field are almost black with them (V.).

Fam. Corvidae.

†Garrulus glandarius	*Jay*	Common. More numerous in Autumn (V.).
†Pica rustica	*Magpie*	Almost extinct. One was picked up dead near here Dec. 1901 (V.). Nest and birds seen just beyond Stort, 1895 (H.).
†Corvus monedula	*Jackdaw*	Common, but does not breed very near (V.).
† ,, corone	*Carrion Crow*	Very rare.
† ,, cornix	*Hooded Crow*	May sometimes be seen in Autumn and Winter as you walk down the Broxbourne Road (V.).
‡ ,, frugilegus	*Rook*	Common.
† ,, corax	*Raven*	I saw and heard one flying over along the Ware Road, 1888 (V.).

Fam. Alaudidae.

†Alauda arvensis	*Sky Lark*	Common (V.).
,, arborea	*Wood Lark*	Much rarer (V.).

Order Picariae. Fam. Cypselidae.

†Cypselus apus	*Swift*	Often seen flying over (V.). Breeds at St. Margarets (H.).

Fam. Caprimulgidae.

†Caprimulgus europaeus	*Nightjar*	Fairly common in neighbouring woods, but has not been seen on the Heath for years (V.). In Wood Field wood, 1901 (H.).

Fam. PICIDAE. Sub-fam. PICINAE.

‡Dendrocopus major	*Great Spotted Woodpecker*	One or two pairs about. One killed on the Heath Dec. 1901 (V.).
,, minor	*Lesser Woodpecker*	Ditto.
‡Gecinus viridis	*Green Woodpecker*	Fairly common. May sometimes be seen and heard in College grounds and Hailey House garden (V.).

Sub-fam. IŸNGINAE.

†Iÿnx torquilla	*Wryneck*	Common. Often heard in Cricket Field.

Fam. ALCEDININAE.

†Alcedo ispida	*Kingfisher*	Not very common. Can occasionally be seen by the little stream which crosses the Roman Road (V.). By the Lea, 1901, and at Wormleybury (H.).

Fam. CUCULIDAE.

†Cuculus canorus	*Cuckoo*	Common.

Order HERODIONES. Fam. ARDEIDAE.

†Ardea cinerea	*Heron*	To be seen in Lea valley (V.).
Botaurus stellaris (?)	*Common Bittern*	One reported to have been shot, 1889 (H.).
Ardetta minuta	*Little Bittern*	One shot the other side of Broxbourne Station, 1888 (V.).
†Numenius arcuata	*Curlew*	Seldom seen.

Fam. PLATALEIDAE.

Plegadis falcinellus(?)	*Glossy Ibis*	One said to have been shot in Balls Park.

Order ANSERES. Fam. ANATIDAE.

Anas boschus	*Wild Duck*	Occasionally seen. Flock of about fifty flying over Cricket Field in Dec. 1899. Pair nesting, 1901 (H.).
‡Querquedula crecca	*Teal*	Very rare. Sometimes occurs in marshes the other side of Broxbourne Station (V.).

†Mareca penelope	*Wigeon*	One shot at Woodhall, 1891 (N.).
†Clangula glaucion	*Golden-eye*	Two shot, 1891 (N.).
Fuligina ferina	*Pochard*	Several shot, 1890–1 (N.). Wild geese and swans seen (N.).

Order COLUMBAE. Fam. COLUMBIDAE.

†Columba palumbus	*Ring Dove*	Very common. In a good acorn year come in thousands (V.).
,, œnas	*Stock Dove*	Not so common as preceding (V.). Nests at Woodhall (H.).
Turtur communis	*Turtle Dove*	Ditto (V.).

Order PTEROCLETES. Fam. PTEROCLIDAE.

Syrrhaptes paradoxus	*Pallas's Sand Grouse*	Two shot near here, May, 1888 (H.).

Order GALLINAE. Fam. PHASIANIDAE.

Phasianus colchicus	*Pheasant*	Very common (V.).
Perdix cinerea	*Partridge*	In the immediate neighbourhood decreasing in numbers (V.).
Caccabis rufa	*Red-legged Partridge*	
‡Coturnix communis	*Quail*	Very rare. Probably bred in a field near Hailey House wood in 1901 (V.).

Order FULICARIAE. Fam. RALLIDAE.

†Crex pratensis	*Corn Crake*	Not so common as formerly. Many of its old haunts are now covered with houses (V.).
†Rallus aquaticus	*Water Rail*	Rare. Common near Woodhall (H.).
‡Gallinula chloropus	*Moorhen*	Common (V.).
†Fulica atra	*Coot*	Saw one behind Tewin Mill, May, 1899 (V.). At Woodhall (N.).

Order LIMICOLAE. Fam. CHARADRIADAE.

†Charadrius pluvialis	*Golden Plover*	Nothing like as common as was the case twenty years ago. Nazing Common is a great haunt, and it often comes there as early as the second week in October. Very big flock seen there March 15, 1899 (V.). Often in fields east of Heath village (H.).

†Vanellus vulgaris	*Lapwing*	Common in Winter, and a few pairs still breed not far from here, and quite a respectable number on Nazing Common.
Phalaropus fulicarius	*Grey Phalarope*	One shot at Woodhall, 1891 (N.).

Fam. SCOLOPACIDAE.

Scolopax rustica	*Woodcock*	Much rarer than it was, as is the case everywhere. Very doubtful whether it now breeds in the district. One seen not far from the College, Dec. 13, 1901 (V.).
†Gallinago coelestis	*Common Snipe*	Much scarcer than formerly. Used to be seen on Goose Green (V.). Just beyond Stort, April 2, 1895 (H.).
† ,, gallinula	*Jack Snipe*	Very rare (V.).
Totanus hypoleucus	*Common Sandpiper*	Occasionally seen by the Lea (V.).
,, ochropus	*Green Sandpiper*	Sometimes seen in the meadows near Hertford (V.). At Woodhall (N.). Shot near Haileybury, 1891 (H.).

Sub-fam. LARINAE.

Larus canus	*Common Gull*	
,, minutus	*Little Gull*	Something uncommonly like a Little Gull was seen one day flying over the Quad during a heavy gale one October (V.).

Fam. PODICIPEDIDAE.

Podicipes fluviatilis	*Little Grebe* (*Dabchick*)	Common at Woodhall (H.).

REPTILIA.

Order LACERTILIA (Lizards). Fam. LACERTINA.

Genus Zootoca.—Zootoca vivipara. Viviparous Lizard. Nimble Lizard. Common Lizard.

Fam. SCINCOIDEA.

Genus Anguis.—Anguis fragilis. Slow-worm. Blind-worm.

[The apparent disappearance of the viper or adder (*Pelias berus*), said to have been once common by the Twenty Acre Field, etc., and of the ringed snake (grass snake, common snake—*Natrix torquata*), is commonly attributed to the increase of pheasants, who pick up the young. The ringed snake is, however, to be found down in the valley. About 1888 I acquired a fine specimen from a man who caught it near the "Fish and Eels," by Broxbourne.—W. K.]

AMPHIBIA.

Order BATRACHIA. Fam. RANIDAE.

Genus Rana.—Rana temporaria. Common Frog.

Fam. BUFONIDAE.

Genus Bufo.—Bufo vulgaris. Common Toad. Bufo calamita. Natter-Jack Toad. (I have been assured by a member of the School that he found one on the Heath a few years ago—say about 1886).

Fam. SALAMANDRIDAE.

Genus Triton.—Triton cristatus. Common Warty Newt. Great Water Newt.
Genus Lophinus.—Lophinus (or Lissotriton) punctatus. Common Smooth Newt. Small Newt, Eft or Evet.

LEPIDOPTERA.

Since the last edition about thirty species have been added to the list, an increase probably due to the growing practice of sugaring. *C. ocularis*, the 'Figure of Eighty,' accounted a great rarity, has been thus obtained. Another rarity, *L. arion*, has again been seen and identified, though not caught. Those who have done most to lengthen the lists and put doubtful species on a firmer basis are C. H. Stockley, N. R. D. Tennant, and W. C. Mason. The collection in the Museum has been well arranged, but some of the specimens are in poor condition. Species represented in the collection have † opposite them. Anyone who meets with a butterfly or moth not included in the list is requested to communicate with the head of the entomological section or the President.

MACRO-LEPIDOPTERA.

Diurni.

†Leucophasia sinapis	*Wood White*	One specimen on Heath.
†Pieris crataegi	*Black Veined White*	One specimen.
† ,, brassicae	*Large White*	Passim.
† ,, rapae	*Small White*	Passim.
† ,, napi	*Green Veined White*	Passim.
†Anthocaris cardamines	*Orange-tip*	Passim.
†Gonepteryx rhamni	*Brimstone*	Sometimes common.
†Colias edusa	*Clouded Yellow*	Roman Road.
† ,, hyale	*Pale Clouded Yellow*	Roman Road.
†Argynnis aglaia	*Dark Green Fritillary*	Roman Road.
† ,, paphia	*Silver Washed* ,,	Roman Road.
† ,, euphrosyne	*Pearl Bordered* ,,	Roman Road ; Green Lane.
†Melitaea artemis	*Greasy Fritillary*	Three specimens. Not in 1899–1901.
†Vanessa urticae	*Small Tortoiseshell*	Passim.
† ,, polychloros	*Large Tortoiseshell*	Generally. Larvae on Terrace.
† ,, C-album	*Comma*	Rare.
† ,, io	*Peacock*	Passim.
† ,, atalanta	*Red Admiral*	Passim.
† ,, cardui	*Painted Lady*	Occasionally.
Epinephile hyperanthus	*Ringlet*	Roman Road.
†Satyrus egeria	*Speckled Wood*	Roman Road.
† ,, megaera	*Wall Brown*	Passim.
† ,, semele	*Grayling*	Heath.
† ,, ianira	*Meadow Brown*	Passim

†Satyrus tithonus	*Large Heath*	Passim.
†Coenonympha pamphilus	*Small Heath*	Passim.
†Thecla quercus	*Purple Hairstreak*	Roman Road; Heath.
† ,, W-album	*White Letter Hairstreak*	Roman Road.
†Polyommatus phlaeas	*Small Copper*	Passim.
†Lycaena agestis	*Brown Argus*	Skipper Fields.
† ,, icarus	*Common Blue*	Passim.
† ,, corydon	*Chalk Hill Blue*	One specimen.
† ,, argiolus	*Azure Blue*	Roman Road; Heath.
† ,, arion	*Large Blue*	One specimen. Three seen in 1898.
†Syrichthus alveolus	*Grizzled Skipper*	Roman Road.
†Thanaos tages	*Dingy* ,,	Roman Road.
†Hesperia sylvanus	*Large* ,,	Roman Road.
† ,, linea	*Essex* ,,	Roman Road.
Hesperia comma	*Pearl* ,,	Roman Road, 1898.

Nocturni.

†Smerinthus ocellatus	*Eyed Hawk*	Occasionally. Larvae.
† ,, populi	*Poplar Hawk*	Larva common. At light.
† ,, tiliae	*Lime Hawk*	Palings.
†Acherontia atropos	*Death's Head Hawk*	Two specimens.
†Sphinx ligustri	*Privet Hawk*	At light. Larvae.
,, convolvuli	*Convolvulus Hawk*	Two caught on flowers.
†Deilephila galii	*Bedstraw Hawk*	Once.
†Choerocampa porcellus	*Small Elephant Hawk*	Occasionally.
† ,, elpenor	*Elephant Hawk*	At light.
†Macroglossa stellatarum	*Hummingbird Hawk*	In Quadrangle.
† ,, fuciformis	*Broad Bordered Bee Hawk*	Roman Road, 1901.
†Sesia cynipiformis		Once on Pavilion Field.
† ,, apiformis	*Hornet Clearwing* (of the Poplar)	Roman Road. One specimen.
† ,, myopaeformis	*Red Belted Clearwing*	Three specimens in 1897.
† ,, tipuliformis	*Currant Clearwing*	Uncommon.
,, bembeciformis	*Lunar Hornet Sphinx*	Roman Road. One specimen.
Macrogaster arundinis	*Reed Moth*	Doubtful.
†Zeuzera aesculi	*Wood Leopard*	Several each year.

†Cossus ligniperda	*Goat*	Heath.
†Hepialus hectus	*Gold Swift*	Abundant among bracken.
† ,, lupulinus	*Common Swift*	Passim.
† ,, sylvinus	*Orange Swift*	Common.
,, humuli	*Ghost Swift*	Common.
Zygaena lonicerae	*Narrow Bordered 5 spot Burnet*	Skipper Fields.
† ,, filipendulae	*6 Spot Burnet*	Skipper Fields.
Ino statices	*Forester*	Roman Road. One in 1901, several two years previously.
Nola cucullatilla	*Short Cloaked*	Passim.
Nudaria senex	*Round Winged Muslin*	Once.
†Calligenia miniata	*Rosy Footman*	Roman Road ; Heath.
Lithosia mesomella	*Four Dotted Footman*	Heath.
,, aureola	*Scarce Footman*	St. Margarets ; Roman Road.
† ,, complanula	*Orange* ,,	Common at light.
,, complana	*Common* ,,	At light.
,, griseola	*Dingy* ,,	Heath.
†Euchelia jacobeae	*Cinnabar*	Roman Road. Scarcer than formerly.
†Chelonia caia	*Tiger*	Common at light.
† ,, villica	*Cream Spot Tiger*	Occasionally.
†Arctia fuliginosa	*Ruby Tiger*	One bred.
† ,, mendica	*Muslin*	Common. Roman Road.
† ,, lubricipeda	*Buff Ermine*	Common at light.
† ,, menthastri	*White Ermine*	Passim.
,, urticae	*Water Ermine*	Lea Marshes.
Liparis chrysorrhea	*Brown Tail*	Rare.
† ,, auriflua	*Gold Tail*	Common at light.
† ,, salicis	*White Satin*	Larva common.
† ,, monacha	*Black Arches*	Two at light.
†Orgyia pudibunda	*Pale Tussock*	Common.
† ,, gonostigma	*Scarce Vapourer*	Formerly on Heath. Not for six years at least.
† ,, antiqua	*Vapourer*	Passim.
†Trichiura crataegi	*Pale Oak Eggar*	Several bred.
†Poeciliocampa populi	*December Moth*	At light.
†Eriogaster lanestris	*Small Eggar*	Larva common.
†Bombyx neustria	*Lackey*	Common at light. Larvae passim.
† ,, quercus	*Oak Eggar*	Common.
†Odonestis potatoria	*Drinker*	Common at light.
†Lasiocampa quercifolia	*Lappet*	Common.
†Saturnia carpini	*Emperor*	A few specimens. Every three years.

†Urapteryx sambucata	*Swallow-tail*	Passim.
†Epione apiciaria	*Bordered Beauty*	At light.
†Rumia crataegata	*Brimstone*	Passim.
†Venilia maculata	*Speckled Yellow*	Roman Road.
†Angerona prunaria	*Orange Moth*	Heath.
†Metrocampa margaritata	*Light Emerald*	Passim.
†Eurymene dolobraria	*Scorched Wing*	Occasionally at light. Roman Road.
†Pericallia syringaria	*Lilac Beauty*	At light. Heath.
†Selenia illunaria	*Early Thorn*	Common at light.
,, lunaria	*Lunar Thorn*	At light.
† ,, illustraria	*Beautiful Thorn*	At light.
†Odontopera bidentata	*Scalloped Hazel*	Common.
†Crocallis elinguaria	*Scalloped Oak*	Common at light.
Ennomos tiliaria	*Canary Shouldered Thorn*	At light.
,, fuscantaria	*Dusky Thorn*	One at light.
,, erosaria	*September Thorn*	Not common.
,, angularia	*August Thorn*	At light.
Himera pennaria	*Feathered Thorn*	Common at light.
†Phigalia pilosaria	*Pale Brindled Beauty*	At light.
†Biston hirtaria	*Brindled Beauty*	At light.
†Amphydasis prodromaria	*Oak Beauty*	At light. Scarce.
† ,, betularia	*Peppered*	Common.
†Hemerophila abruptaria	*Waved Umber*	Common.
†Cleora lichenaria	*Lichen*	Not common.
†Boarmia repandata	*Mottled Beauty*	Passim.
† ,, rhomboidaria	*Willow Beauty*	Passim.
,, roboraria	*Great Oak Beauty*	Four at light; two Roman Road.
†Tephrosia extersaria	*Brindled White Spot*	Roman Road.
Pseudoterpna cytisaria	*Grass Emerald*	Formerly on Heath.
†Geometra papilionaria	*Large Emerald*	Occasionally at light.
†Iodis vernaria	*Small Emerald*	Roman Road.
† ,, lactearia	*Least Emerald*	Passim.
Phorodesma baiularia	*Blotched Emerald*	On Heath; Roman Road. Not common.
†Hemithea thymiaria	*Common Emerald*	Common at light.

†Ephyra porata	*False Mocha*	On Heath.
† ,, punctaria	*Maiden's Blush*	Common.
† ,, omicronaria	*Mocha*	Heath.
†Asthena luteata	*Small Yellow Wave*	At light.
† ,, candidata	*Small White Wave*	Passim.
Acidalia bisetata	*Small Fan-foot Wave*	Common on Heath.
,, scutulata	*Single Dotted Wave*	Palings. Not common.
,, trigeminata	*Treble Brown Spot*	Heath. Rare.
† ,, osseata	*Dark Cream Wave*	Not common.
† ,, incanaria	*Small Dusty Wave*	Common.
† ,, interiectaria		At light.
,, straminata	*Dotted Bordered Wave*	Not common.
,, subsericeata	*Satin Wave*	Rare.
,, remutata	*False Ribbon Wave*	Common in hedges.
† ,, imitaria	*Small Blood Vein*	At light.
† ,, aversata	*Ribbon Wave*	Common on palings.
† ,, emarginata	*Small Scallop*	Roman Road; Heath.
†Timandra amataria	*Blood Vein*	Passim.
†Cabera pusaria	*White Wave*	Passim.
† ,, exanthemaria	*Common Wave*	Passim.
†Corycia temerata	*Clouded Silver*	Roman Road; Heath.
† ,, taminata	*White Pinion Spotted*	Three specimens.
†Epione advenaria	*Little Thorn*	Yearly.
†Macaria liturata	*Tawny Barred Angle*	Once.
†Halia wavaria	*V-Moth*	Common in gardens.
†Strenia clathrata	*Latticed Heath*	At light. Roman Road.
†Panagra petraria	*Brown Silver Line*	Roman Road; Heath.
†Numeria pulveraria	*Barred Umber*	A few specimens.
†Fidonia atomaria	*Common Heath*	Heath.
Aspilates strigillaria	*Grass Wave*	Formerly on the Heath.
†Abraxas grossulariata	*Magpie*	Passim.
Ligdia adustata	*Scorched Carpet*	Not common.
†Lomaspilis marginata	*Clouded Border*	Passim.
†Hybernia rupricapraria	*Early Moth*	Passim.
† ,, leucophearia	*Spring Usher*	Heath; Roman Road.
† ,, aurantaria	*Scarce Usher*	At light.
† ,, progemmaria	*Dotted Border*	Common at rest.
† ,, defoliaria	*Mottled Umber*	Common at light.
†Anisopteryx aescularia	*March Moth*	At light.
†Cheimatobia brumata	*Winter Moth*	Abundant at light.
†Oporabia dilutata	*November Moth*	Passim.

†Larentia didymata	*Twin Spot Carpet*	Common at dusk.
† ,, multistrigata	*Mottled Grey*	One specimen. Palings.
,, pectinataria	*Autumn Green Carpet*	Roman Road ; Heath.
Emmelesia affinitata	*Rivulet*	Hailey Lane. Rare.
,, alchemillata	*Small Rivulet*	At light.
,, albulata	*Grass Rivulet*	Mississippi Fields.
,, decolorata	*Sandy Carpet*	Woods beyond Pavilion Field.
Eupithecia venosata	*Netted Pug*	Not common. Three at light.
† ,, centaureata	*Lime Specked Pug*	At light. Palings.
,, subfulvata	*Tawny Speck*	Palings.
† ,, castigata	*Brindled Pug*	Mississippi Fields. At light.
† ,, vulgata	*Common Pug*	Common on palings.
,, absynthiata	*Wormwood Pug*	Larva abundant on ragwort.
,, tenuiata	*Slender Pug*	Occasionally.
,, exiguata	*Barberry Pug*	Palings.
,, rectangulata	*Green Pug*	Palings and light. Common.
Lobophora hexapterata	*Seraphim*	Roman Road.
,, viretata	*Yellow Barred Brindle*	Palings.
Thera simulata	*Brick Carpet*	Rare.
,, variata	*Grey Carpet*	Occasionally.
†Ypsipetes ruberata	*Ruddy Highflyer*	Once.
,, impluviata	*May Highflyer*	Once.
† ,, elutata	*July Highflyer*	Common in hedges.
Melanthia rubiginata	*Blue Bordered Carpet*	Heath ; Roman Road.
† ,, ocellata	*Purple Bar*	At light. Palings.
†Melanippe procellata	*Chalk Carpet*	On clematis.
,, rivata	*Wood Carpet*	Occasionally.
† ,, subtristata	*Common Carpet*	Passim.
† ,, montanata	*Silver Ground Carpet*	Common in hedges.
,, fluctuata	*Garden Carpet*	Passim.
Anticlea rubidata	*Flame*	Roman Road. Flowers.
† ,, badiata	*Shoulder Stripe*	Passim.
† ,, derivata	*Streamer*	Palings. Heath.
†Coremia propugnata	*Flame Carpet*	Often common.
† ,, ferrugata	*Red Twin Spot*	At light.
† ,, unidentata	*Dark Barred Twin Spot Carpet*	Passim.
†Camptogramma bilineata	*Yellow Shell. Elm*	Passim.
†Phibalapteryx tersata	*Fern*	At light. Roman Road.
,, lignata	*Oblique Carpet*	Not common.
† ,, vitalbata	*Small Waved Umber*	Heath ; Roman Road.
†Scotosia dubitata	*Common Tissue*	At light.
†Cidaria miata	*Green Carpet*	Common at light.

†Cidaria picata	*Cloaked Carpet*	Heath.
,, corylata	*Broken Barred Carpet*	Passim.
† ,, russata	*Mottled Carpet*	Not common.
,, immanata	*Dark Marbled Carpet*	Passim.
,, silaceata	*Small Phœnix*	Mississippi Field; Heath. 1900.
† ,, testata	*Chevron*	Occasionally.
,, ribesiaria	*Phœnix*	Goose Green.
,, fulvata	*Barred Yellow*	Common in hedges.
† ,, pyraliata	*Barred Straw*	Common at light.
† ,, dotata	*Spinach*	At light.
†Eubolia cervinaria	*Mallow*	At light.
† ,, mensuraria	*Small Mallow*	Passim.
† ,, palumbaria	*Belle*	Passim.
† ,, bipunctaria	*Chalk Carpet*	Gallows Hill.
†Anaitis plagiata	*Treble Bar*	Palings; Roman Road.
†Chesias spartiata	*Streak*	Heath.
Tanagra chaerophyllata	*Chimney Sweep*	Heath. Rare.

Cuspidates.

Platypteryx lacertula	*Scalloped Hook-tip*	Occasionally at light.
† ,, falcula	*Pebble Hook-tip*	Sometimes common.
† ,, hamula	*Oak Hook-tip*	Yearly. Heath.
†Cilix spinula	*Chinese Character*	Common at light.
†Dicranura furcula	*Sallow Kitten*	Heath. } Larvae common.
† ,, bifida	*Poplar Kitten*	Once. } Larvae common.
† ,, vinula	*Puss*	Passim. } Larvae common.
†Stauropus fagi	*Lobster*	Three on Heath, one at light.
Petasia cassinea	*Sprawler*	At light. At rest.
†Pygaera bucephala	*Buff-tip*	Passim.
†Ptilodontis palpina	*Pale Prominent*	At light.
†Notodonta camelina	*Coxcomb Prominent*	At light.
,, dictaea	*Swallow Prominent*	Three times at light. Larvae found in 1899.
† ,, ziczac	*Pebble Prominent*	Heath. Hailey Lane.
,, trepida	*Great Prominent*	Twice taken.
,, chaonia	*Lunar Marbled Brown*	Once on Heath.
,, dodonaea	*Marbled Brown*	Occasionally. Not for some years till 1901.
†Diloba caeruleocephala	*Figure of Eight*	Abundant at light.

Noctuae.

†Thyatira derasa	*Buff Arches*	At light. At sugar.
† ,, batis	*Peach Blossom*	At light. At sugar.

†Cymatophora diluta	*Lesser Lutestring*	Common at sugar. At light.
† ,, ocularis	*Figure of Eighty*	At sugar. Rare, 1901.
† ,, or	*Poplar Lutestring*	Common. At sugar.
,, ridens	*Frosted Green*	At light, not common.
†Bryophila perla	*Marbled Beauty*	Common at light, and at rest.
† ,, glandifera	*Mottled Green*	Occasionally.
Acronycta tridens	*Dark Dagger*	Larva fairly common.
† ,, psi	*Common Dagger*	Passim.
† ,, leporina	*Miller*	Rare. Larvae.
† ,, aceris	*Sycamore*	Getting commoner.
† ,, megacephala	*Poplar Grey*	At light. Palings.
† ,, rumicis	*Knot Grass*	At sugar.
†Leucania conigera	*Brown Line Bright Eye*	Abundant at light.
† ,, lithargyria	*Ochraceous Brown*	Abundant at light.
† ,, comma	*Should Striped Wainscot*	Common at light.
,, straminea	*Southern Wainscot*	Once at light.
† ,, impura	*Smoky Wainscot*	At light. At flowers.
† ,, pallens	*Common Wainscot*	Common at light.
†Nonagria fulva	*Small Wainscot*	Heath ; Skipper Fields.
† ,, typhae	*Bull-rush*	Occasionally.
†Gortyna flavago	*Frosted Orange*	At light.
†Hydraecia nictitans	*Golden Ear*	At light.
† ,, micacea	*Rosy Rustic*	At light.
†Axylia putris	*Flame*	At light.
†Xylophasia rurea	*Clouded Bordered Brindle*	Occasionally at light.
† ,, lithoxylea	*Light Arches*	At light and sugar.
† ,, polyodon	*Dark Arches*	Passim.
† ,, hepatica	*Clouded Brindle*	Common at sugar.
†Dipterygia pinastri	*Bird's Wing*	Heath. Abundant at sugar.
†Neuria saponariae	*Bordered Gothic*	At light. At flowers.
†Heliophobus popularis	*Feathered Gothic*	At light.
†Charaeas graminis	*Antler Moth*	Generally.
†Cerigo cytherea	*Straw Underwing*	At light.
†Luperina testacea	*Lesser Flounced Rustic*	At light.
Mamestra anceps	*Doubtful Nutmeg*	Common at light.
† ,, brassicae	*Cabbage*	Passim.
† ,, persicariae	*Dot*	Common at sugar.
†Apamea basilinea	*Rustic Shoulder Knot*	Common at light.
† ,, gemina	*Dusky Brocade*	Occasionally at light.
,, unanimis	*Small Clouded Brindle*	Once.

Apamea fibrosa	*Crescent*	Once at light.	
† ,, oculea	*Common Rustic*	Passim.	
†Miana strigilis	*Marked Minor*	Common at light.	
† ,, fasciuncula	*Middle Barred Minor*	At sugar	
† ,, literosa	*Rosy Minor*	At sugar	Specimens are often confused.
† ,, furuncula	*Cloaked Minor*	Occasionally at light	
,, arcuosa	*Least Minor*	Once at light	
†Grammesia trilinea	*Treble Line*	Common at light.	
Caradrina morpheus	*Bordered Rustic*	At light.	
† ,, blanda	*The Rustic*	Three specimens at sugar.	
† ,, alsines	*Dotted Rustic*	Abundant at light.	
† ,, cubicularis	*Pale Mottled Willow*	Generally.	
†Rusina tenebrosa	*Brown Feathered Rustic*	At light.	
†Agrotis puta	*Shuttle-shaped Dart*	At light.	
† ,, suffusa	*Dark Sword Grass*	At sugar.	

N.B.—All the genera *Cymatophora*—*Agrotis* are caught most freely at sugar, especially on the Heath.

†Agrotis saucia	*Pearly Underwing*	At sugar.
† ,, segetum	*Common Dart*	Passim.
† ,, exclamationis	*Heart and Dart*	Passim.
† ,, corticea	*Heart and Club*	At light.
† ,, nigricans	*Garden Dart*	At light. At flowers.
† ,, porphyrea	*True Lover's Knot*	Heath.
† ,, ravida	*Stout Dart*	Twice at light.
†Triphaena ianthina	*Lesser Broad Bordered*	Common at light.
† ,, orbona	*Lesser Yellow Underwing*	Common at light.
† ,, interiecta	*Least Broad Bordered Yellow Underwing*	One specimen.
† ,, fimbria	*Broad Bordered Yellow Underwing*	Occasionally at sugar.
,, pronuba	*Yellow Underwing*	Passim.
†Noctua augur	*Double Dart*	Common at light.
† ,, plecta	*Flame Shoulder*	At light.
,, C-nigrum	*Setaceous Hebrew Character*	Common at sugar.
† ,, triangulum	*Double Square Spot*	Common at light.
,, rhomboidea	*Square Spotted Clay*	Occasionally at sugar.
† ,, brunnea	*Purple Clay*	At sugar.
,, festiva	*Engrailed Clay*	At sugar.
,, dahlii	*Barred Chestnut*	At sugar, occasionally.
,, rubi	*Small Square Spot*	At light.
† ,, baia	*Dotted Clay*	A few at light.

†Noctua xanthographa	*Square Spot Rustic*	Common at light.
Taeniocampa gothica	*Hebrew Character*	At light.
† ,, rubricosa	*Red Chestnut*	Occasionally at sallows.
,, instabilis	*Clouded Drab*	At sallows.
,, stabilis	*Common Quaker*	At light.
,, gracilis	*Lead Coloured Drab*	At sallows, occasionally.
,, munda	*Twin Spot Quaker*	At sallows, occasionally.
,, cruda	*Small Quaker*	At sallows.
Orthosia lota	*Red Line Quaker*	At sugar.
† ,, macilenta	*Yellow Line Quaker*	At sugar.
Anthocelis rufina	*Flounced Chestnut*	At sugar.
† ,, pistacina	*Pale Headed Chestnut*	Common at light.
,, lunosa	*Lunar Underwing*	At light, not common.
† ,, litura	*Brown Spot Pinion*	At sugar.
†Cerastis vaccinii	*Chestnut*	Common at light.
,, spadicea	*Black Chestnut*	At sugar.
†Scopelosoma satellitia	*Satellite*	At sugar.
†Xanthia citrago	*Orange Sallow*	Larva on lime-trees.
† ,, cerago	*Common Sallow*	Common at sugar.
† ,, silago	*Pink Barred Sallow*	At sugar.
† ,, gilvago	*Dusky Yellow Sallow*	Twice.
† ,, ferruginea	*Brick Coloured*	At light.
†Cirrhoedia xerampelina	*Centre Barred Sallow*	Once.
Tethea subtusa	*Olive*	Larva.
Cosmia trapezina	*Dunbar*	Common at light.
† ,, diffinis	*White Pinion Spot*	Palings.
† ,, affinis	*Lesser Pinion Spot*	A few specimens.
Dianthaecia carpophaga	*Tawny Shears*	Occasionally.
† ,, capsincola	*Lychnis*	At light. Larva in Hailey Lane.
,, conspersa	*Marbled Coronet*	Once on Balls Park palings.
†Hecatera dysodea	*Ranunculus*	Twice on palings.

N.B.—Nearly all the genera *Triphaena*—*Hecatera* are generally met with on sugar or sallows. The early Noctuae are insufficiently looked for.

†Hecatera serena	*Broad Barred White*	Palings.
†Polia flavicincta	*Large Ranunculus*	Once.
†Epunda viminalis	*Minor Shoulder Knot*	Common at light.
†Miselia oxyacanthae	*Green Brindled Crescent*	At sugar in abundance.
†Agriopis aprilina	*Marveil du Jour*	Heath. At sugar.

†Phlogophora meticulosa	*Angle Shades*	Larva common. At sugar.	
†Euplexia lucipara	*Small Angle Shades*	At sugar in abundance.	
†Aplecta nebulosa	*Grey Arches*	Common on trees and at sugar.	
† ,, herbida	*Green Arches*	At sugar.	
† ,, advena	*Pale Shining Brown*	Twice at flowers.	
Hadena proteus	*Brindled Green*	At light.	
† ,, dentina	*Shears*	At flowers. Palings.	At sugar also.
† ,, chenopodii	*Nutmeg*	At flowers.	
† ,, atriplicis	*Wild Arrach*	Twice.	
,, suasa	*Dog's Tooth*	Palings.	
† ,, oleracea	*Bright Line Brown Eye*	At light. At flowers.	
† ,, pisi	*Broom*	Palings.	
,, thalassina	*Pale Shouldered Brocade*	Palings. At light.	
† ,, genistae		Palings. At light.	
†Xylocampa lithorhiza	*Early Grey*	Palings. Abundant.	
Calocampa exoleta	*Large Sword Grass*	At light.	
†Xylina rhizolitha	*Grey Shoulder Knot*	At light.	
†Cucullia verbasci	*Mullein*	Larva abundant at Gallows Hill.	
,, chamomillae	*Chamomile Shark*	Palings. Common.	
,, umbratica	*Shark*	Palings. At flowers.	
†Anarta myrtilli	*Beautiful Yellow Underwing*	Two specimens. Roman Road.	
†Heliodes arbuti	*Small Yellow Underwing*	Heath. By the Lea.	
Erastria fuscula	*Marbled White Spot*	Roman Road (once).	
†Brephos parthenias	*Orange Underwing*	Occasionally.	
Abrostola urticae	*Spectacle*	At flowers. At light.	
,, triplasia	*Dark Spectacle*	At flowers.	
†Plusia chrysitis	*Burnished Brass*	At light. At flowers.	
† ,, iota	*Golden Y*	At light. At flowers.	
† ,, V-aureum		At light.	
† ,, gamma	*Silver Y*	Passim.	
†Gonoptera libatrix	*Herald*	Not so common as formerly.	
†Amphipyra pyramidea	*Copper Underwing*	Larva common. Moth at sugar.	
† ,, tragopogonis	*Mouse*	At sugar.	
†Mania typica	*Dark Gothic*	Common. At sugar.	
† ,, maura	*Old Lady*	Common. At sugar.	
†Catocala fraxini	*Clifden Nonpareil*	One in quadrangle.	
† ,, nupta	*Red Underwing*	Common at light and sugar and on trees	
Euclidia mi	*Mother Shipton*	Roman Road.	
† ,, glyphica	*Burnet Noctua*	Skipper Fields.	

MOLLUSCA.

This list was compiled by F. Podmore in 1875. All those marked * were verified in 1888 by A. G. Stubbs. In 1889 one species was added. There are specimens of those marked † in the Museum.

(Named from Jeffreys's "British Conchology.")

Conchifera.

†*Sphærium corneum	River Lea.
* ,, rivicola	River Lea.
* ,, lacustre	Amwell.
*Pisidium amnicum	Amwell.
* ,, nitidum	Amwell.
†*Unio pictorum	River Lea.
†*Anodonta cygnea	River Lea.
* ,, anatina	River Lea.

Gasteropoda—Pectinibranchiata.

†*Neritina fluviatilis	The Lea.
†*Paludina vivipara	River Lea.
†*Bythinia tentaculata	River Lea.
† ,, leachii	Amwell.
†*Valvata piscinalis	Amwell.
,, cristata	St. Margarets.

Gasteropoda—Pulmonobranchiata.

† Planorbis nautileus	Near Hertford.
†* ,, albus	St. Margarets.
†* ,, glaber	St. Margarets.
†* ,, spirorbis	Amwell.
†* ,, vortex	Amwell.
†* ,, carinatus	Amwell.
†* ,, complanatus	Amwell.
†* ,, corneus	Amwell.
†* ,, contortus	Amwell.
† Physa hypnorum (?)	St. Margarets.
†* ,, fontinalis	St. Margarets.
†*Limnæa peregra	Passim.
† ,, auricularia	Amwell.
†* ,, stagnalis	Passim.
,, ,, var. * fragilis	Pond by Hailey Lane.
†* ,, palustris	Passim.
†* ,, truncatula	The Lea.

†*Ancylus fluviatilis	St. Margarets.
† ,, lacustris	Hoddesdon Fields.
† Arion ater	Passim.
,, hortensis	Passim.
*Limax marginatus	Gallows Hill.
,, flavus	Passim.
,, agrestis	Passim.
* ,, maximus	Passim.
†*Succinea putris	Passim.
* ,, elegans	St. Margarets.
†*Vitrina pellucida	Gallows Hill.
†*Zonites cellarius	Passim.
†* ,, alliarius	Gallows Hill.
†* ,, nitidulus	Passim.
†* ,, crystallinus	Passim.
† ,, fulvus	Hoddesdon Fields.
†*Helix aculeata	Hoddesdon Fields.
†* ,, pomatia	Gallows Hill.
†* ,, aspersa	Passim.
†* ,, nemoralis	Passim. Several varieties.
†* ,, hortensis	Passim. Varieties passim.
†* ,, arbustorum	St. Margarets.
,, ,, var. alpestris	Banks of River Lea.
†* ,, cantiana	Passim.
†* ,, rufescens	Passim.
†* ,, hispida	Passim.
,, ,, var. concinna	Gallows Hill.
† ,, fusca	Gallows Hill.
†* ,, caperata	Passim.
,, virgata	Towards Hertford, 1889.
†* ,, ericetorum	Gallows Hill.
†* ,, rotundata	Passim.
† ,, pygmæa	Hoddesdon Fields.
,, pulchella	Passim.
†* ,, lapicida	Gallows Hill.
†*Bulimus obscurus	Passim.
†*Pupa umbilicata	Passim.
†*Vertigo pygmæa	Rye House.
†*Clausilia rolphii	Gallows Hill.
† ,, rugosa	Passim.
*Cochlicopa lubrica	Passim.
† Achatina acicula	St. Margarets.
† Carychium minimum	Passim.
†*Cyclostoma elegans	Gallows Hill.

POND LIFE.

I have searched some of the nearest ponds for Crustaceans, Rotifers, Infusorians, etc., at short intervals throughout 1901, except when the holidays intervened. Dixon's Wharf has proved on the whole the best. The Twenty Acre pond ran it close till the Summer drought reduced it to a dirty puddle. As to fish, the Twenty Acre pond was rich in carp; Dixon's Wharf abounds in sticklebacks, but has (possibly in consequence) no water fleas and no hydras. Very few species of Crustaceans have been found in any of the ponds, only *Daphnia pulex*, *Cyclops quadricornis* (two varieties), *Cypris* (two species), *Chydorus sphaericus*, and *Canthocamptus minutus*. Though it is certain that there has been a great falling off in Rotifers, there are still many species to be found. Some fifty I have identified. There are also a good many species of Infusorians, but with these I have not made much progress. Among the larger inhabitants of the ponds are several species of Hydrachnae, which prey upon the small Crustaceans. At the base in the scale of life are diatoms in great number and unicellular algae.

Rotifers that have been found by members of the Quekett Club, whose investigations extend over a number of years, but not by myself, are distinguished by a Q. O. L. V. Simpkinson did a good deal of work on microscopic pond animals, but, generally speaking, they are neglected by members of the N.S.S. I hope that in future they will receive more attention.

F. W. H.

ROTIFERA.

Actinurus neptunius	Q.
Adineta vaga	Q.
Anapus ovalis	Q.
Anuraea brevispina	
,, cochlearis	Dixon's Wharf.
,, serulata	Q.
,, tecta	Q.
,, aculeata	
,, valga	Q.
,, curvicornis	
,, hypelasma	
Asplanchna brightwellii	Q.
Brachionus angularis	Jack Howe's pond.
,, rubens	Twenty Acre pond.
,, bakeri	
,, urceolaris	
,, pala	Q.
Cathypna luna	
Cephalosiphon limnias	Q.

Chromogaster testudo	Q.
Coelopus brachyurus	Q.
,, cavia	Q.
,, caudatus	Q.
,, porcellus	Dixon's Wharf.
Colurus bicuspidatus	Q.
,, deflexus	
Conochilus volvox	Q.
Copeus cerberus	Q.
,, pachyurus	Q.
Diaschiza valga	Q.
,, semiaperta	Q.
Diglena biraphis	Twenty Acre pond.
,, catellina	Q.
,, forcipata	Green Frog pond.
Dinocharis tetractis	Q.
,, pocillum	Dixon's Wharf.
Eosphora aurita	
Euchlanis lyra	Q.
,, triquetra	Twenty Acre pond.
,, deflexa	Q.
,, subversa	Q.
Furcularia longiseta	Dixon's Wharf.
,, lophoessa	Q.
,, cornuta	Q.
,, gracilis	Q.
Hydatina senta	Twenty Acre pond.
Mastigocerca elongata	Q.
,, carinata	
,, stylata	
,, bicornis	Dixon's Wharf.
,, scipio	Dixon's Wharf.
Melicerta conifera	Q.
,, tubicularia	Q.
,, ringens	Q.
Metapodia acuminata	Q.
,, oxysternum	Q.
,, solidus	
Monostyla cornuta	
,, lunaris	
,, bulla	Dixon's Wharf.
Noteus quadricornis	Twenty Acre and R. Road pond.
Notholea acuminata	Q.
Notommata aurita	
,, lacinulata	Dixon's Wharf.
,, tuba	Q.

Notops brachionus	Q.
,, clavulatus	Rare. Twenty Acre and Dixon's Wharf.
,, hyptopus	Q.
Oecistes crystallinus	Q.
Pedalion mirum	Common in Twenty Acre pond, rare in Dixon's Wharf.
Philodina citrina	
,, roseola	Dixon's Wharf.
Polyarthra platyptera	
Pompholyx complanata	The Master's pond.
Proales sordida	
Pterodina patina	Twenty Acre and Green Frog ponds.
Rotifer macrurus	
,, vulgaris	
,, macroceros	Q.
,, tardus	Q.
Sacculus viridis	
Salpina marina	Q.
,, mucronata	
,, brevispina	
,, eustala	Dixon's Wharf.
,, sulcata	Q.
Scaridium longicaudum	Dixon's Wharf.
Stephanops lamellaris	Dixon's Wharf.
,, muticus	Q.
Synchaeta pectinata	
,, tremula	
Taphrocampa saundersiae	Q.
Triarthra breviseta	Q.
,, longiseta	
Triphylus lacustris	

INFUSORIANS.

Anthophysa vegetans	Q.
Aspidisca lynceus	Q.
Bursaria truncatella	
Coleps hirtus	Q.
,, amphacanthus	Q.
Dinobryon sertularia	Q.
Euplotes patella	Q.
Gymnodium fuscum	Q.
Loxophyllum meleagris	Q.
Paranoecium aurelia	
,, bursaria	

Peridinium tabulatum	
Phacus longicaudus	Q.
Rhipidodendrum splendidum	Q.
Spirostomum ambiguum	Q.
Stentor niger	Q.
,, polymorphus	
Stichotricha remex	Q.
Synura uvella	
Trachelius ovum	Q.
Trachelocerca olor	Q.
Vaginicola crystallina	Q.
Vorticella chlorostigma	
,, nebulifera	

FLORA.

PHANEROGAMIC PLANTS.

I hope this list is nearly complete. A number of observations have been made since 1888 by members of the N.S.S. (notably by L. A. W. Burder) and myself, and Mr. Graveson, of Hertford, has very kindly put his numerous and accurate records at my disposal. In cases where we have no observations I have had recourse to the "Flora of Herts," and given one or more localities specified there. [Fl. H. = Flora of Herts. Where Mr. Graveson is the authority, G. follows the note.]

The names adopted are from Bentham's "British Flora," though occasionally what he does not recognise as species or even as varieties are mentioned. In these cases refer to Hooker or Babington. When Bentham's names are not those found in the "Flora of Herts" the latter have nearly always been given in brackets. When nothing to the contrary is stated, the plant may be considered fairly common. Plants of which there are specimens in the Society's collection are marked with a †. Our herbarium has been much enriched by T. S. Lea, O.H. Those put in [ ] are not indigenous.

For several years past there has been a shortage of rain, with the result that a good many marsh plants, notably sedges, have disappeared at least for the time. In such places as gravel-pits and brickfields flowers must be expected to come and go. Ware Brickfield does not every year produce all it is here credited with.

F. W. H.

CLASS I.—DICOTYLEDONS.

Ranunculaceae. The Ranunculus Family.

Clematis vitalba	*Traveller's Joy*	
†Thalictrum flavum	*Yellow Thalictrum*	Amwell and the Stort.
†Anemone nemorosa	*Wood Anemone*	
†Myosurus minimus	*Mousetail*	Field near Waterford (G.).
†Ranunculusaquatilis (Batrachium)	*Water Ranunculus, Crowfoot*	The species or varieties pass into one another. Babington makes 13 species.
† ,, var. fluitans		Chiefly in running water.
,, var. circinatus		Chiefly in deep still water.
† ,, var. vulgaris		
† ,, hederaceus	*Ivy Ranunculus*	The Heath.

†Ranunculus flammula	*Spearwort*	The Heath.
† ,, auricomus	*Goldilocks*	The Heath, etc.
† ,, sceleratus	*Celery-leaved Ranunculus*	Several ponds.
† ,, acris	*Meadow* ,,	
† ,, repens	*Creeping* ,,	
† ,, bulbosus	*Bulbous* ,,	
† ,, arvensis	*Corn* ,,	
† ,, ficaria	*Lesser Celandine*	
†Caltha palustris	*Marsh Marigold*	
Helleborus viridis	*Green Hellebore*	? introduced. Bayfordbury, 1902.
,, foetidus	*Fetid Hellebore, Bear's foot*	? introduced. Hertingfordbury, Park (Fl. H.).
[Delphinium ajacis]	[*Larkspur*]	[Fields by lower road].

Nymphaeaceae. The Waterlily Family.

†Nuphar lutea	*Yellow Waterlily*	The Lea.
†Nymphæa alba	*White Waterlily*	Rare. Probably planted.

Papaveraceae. The Poppy Family.

†Papaver rhœas	*Field Poppy*	
,, dubium var. lecoquii	*Long-headed Poppy*	Not common. Chalk-pit, Gallows Hill.
,, argemone	*Pale Poppy*	Near Gallows Hill.
[,, somniferum]	*Garden Poppy*	Ware Brickfields (G.).
†Chelidonium majus	*Common Celandine*	

Fumariaceae. The Fumitory Family.

†Fumaria officinalis	*Fumitory*	
,, var. micrantha (densiflora)		Rare. On chalk. Near Easneye (Fl. H.).
Corydalis lutea	*Yellow Corydal*	Old walls by Lea at Ware (G.).

Cruciferae. The Crucifer Family.

†Barbarea vulgaris	*Yellow Rocket*	
[,, praecox]		[By New River, Hoddesdon].
†Nasturtium officinale	*Common Watercress*	
,, amphibium	*Yellow Cress*	Near Amwell Church.
,, palustre (N. terrestre)	*Marsh Watercress*	River banks.
,, silvestre	*Creeping Watercress*	New River bank, Amwell.
†Cardamine hirsuta	*Hairy Bittercress*	
† ,, var. silvatica (flexuosa)		Ware Park fields (G.).

†Cardamine pratensis	*Cuckoo-flower*	
†[Hesperis matronalis]	[*Dame's Violet*]	[The Heath. N.B.—This is not a violet].
†Arabis thaliana (Sisymbrium th.)	*Thale Rockcress*	Road down Gallows Hill.
† ,, perfoliata (Turritis glabra)	*Glabrous Rockcress*	Near Panshanger Park (G.).
†Sisymbrium officinale	*Hedge Mustard*	
,, irio	*London Rocket*	Rare. Hertford Gasworks (Fl. H.).
,, sophia	*Flixweed*	St. Margarets and Ware Brickfields.
†Alliaria officinalis	*Garlic-Mustard*	
Erysimum cheiranthoides	*Treacle Mustard*	Near Bride's Farm.
,, orientale	*Hare's-ear*	Ware Brickfields (G.).
†Brassica campestris	*Field Brassica*	
† ,, sinapistrum (Sinapis arvensis)	*Charlock*	
,, alba (Sinapis alba)	*Mustard Brassica*	Near chalk-pit, Gallows Hill.
,, nigra (Sinapis n.)	*Black Mustard*	Ware Brickfields (G.). ? not indigenous.
,, muralis (Diplotaxis m.)	*Sand Brassica*	Rare. Line at Broxbourne (Fl. H.).
†[Cochlearia armoracia]	[*Horseradish*]	[Ware Park, near the mill].
[Alyssum maritimum]		Ware Brickfields.
†Draba verna (Erophila vulgaris)	*Common Draba*	Goose Green.
[Camelina sativa]	[*Gold of Pleasure*]	Ware Brickfields (G.).
Thlaspi arvense	*Field Pennycress*	Lines' Fields, etc.
†Capsella bursa-pastoris	*Shepherd's Purse*	
Lepidium campestre	*Field Cress*	Brickendon (G.).
,, ruderale	*Narrow-leaved Cress*	Ware Brickfields.
†Iberis amara	*Bitter Candytuft*	Wotton, 1893.
†Senebiera coronopus (Coronopus procumbens)	*Swinecress*	Pavilion Field, etc.
†Raphanus raphanistrum (Raphanistrum innocuum)	*Wild Radish*	

Resedaceae. The Mignonette Family.

†Reseda luteola	*Dyer's Mignonette*	Near Hertford, etc.
† ,, lutea	*Cut-leaved Mignonette*	Gallows Hill.

Cistaceae. The Cistus Family.

†Helianthemum vulgare	*Rockrose*	Gallows Hill, etc.

Violaceae. The Violet Family.

†Viola odorata	*Sweet Violet*	Road to Hertford, etc.
† ,, hirta	*Hairy Violet*	Occasional.
† ,, canina	*Dog Violet*	
† ,, tricolor	*Pansy Violet*	Six varieties in Fl. H.

Polygalaceae. The Milkwort Family.

†Polygala vulgaris	*Milkwort*	

Caryophyllaceae. The Pink Family.

Dianthus armeria	*Deptford Pink*	Rare. Near Reformatory, Hertford (G.).
,, deltoides	*Maiden Pink*	Rare. Amwell, E. of the Lea (Fl. H.).
†Silene inflata (S. cucubalus)	*Bladder Silene*	
,, noctiflora	*Night Silene*	By Ware Park Mill (Fl. H.).
†Lychnis flos-cuculi	*Ragged Robin*	
† ,, diurna	*Red Campion*	
† ,, vespertina	*White Campion*	
† ,, githago (G. segetum)	*Corn Lychnis*	
†Sagina procumbens	*Procumbent Pearlwort*	Goose Green.
† ,, var. apetala		Goose Green.
†Arenaria serpyllifolia	*Thyme-leaved Sandwort*	Walls at Hertford, etc.
,, var. leptoclados		Walls at Ware.
† ,, trinervis (Moehringia tr.)	*Three-nerved Sandwort*	
†Moenchia erecta (M. quaternella)	*Moenchia*	The Heath.
†Cerastium vulgatum	*Mouse-ear Chickweed*	
† ,, var. semi-decandrum		
† ,, var. glomeratum		
† ,, var. viscosum		
,, arvense	*Field Cerast*	Near Gallows Hill, etc.

Stellaria aquatica (Malachium a.)	*Water Starwort*	St. Margarets, etc.
† ,, media	*Chickweed Starwort*	
† ,, holostea	*Great Starwort*	
† ,, uliginosa	*Bog Starwort*	
† ,, graminea	*Lesser Starwort*	
†Spergularia rubra (Lepigonum r.)	*Sand Spurry*	
†Spergula arvensis	*Corn Spurry*	

PORTULACEAE. THE PURSLANE FAMILY.

†Montia fontana	*Blinks*	Goose Green.

HYPERICINEAE. THE HYPERICUM FAMILY.

†Hypericum perforatum	*Common St. John's Wort*	
,, quadrangulum	*Square Stalked* ,,	Near Hertford (Fl.H.).
,, ,, sub-sp. quadratum		
† ,, humifusum	*Trailing* ,,	The Heath.
† ,, hirsutum	*Hairy* ,,	
† ,, pulchrum	*Slender* ,,	The Heath.

LINACEAE. THE FLAX FAMILY.

†Linum catharticum	*Cathartic Flax*	
[,, usitatissimum]	[*Common Flax*]	Gravel-pit towards Hoddesdon.

MALVACEAE. THE MALLOW FAMILY.

†Malva silvestris	*Common Mallow*	
† ,, rotundifolia	*Dwarf Mallow*	
† ,, moschata	*Musk Mallow*	Pavilion Field, etc.

TILIACEAE. THE LIME FAMILY.

[Tilia europaea]	[*Lime, Linden*]	[Long naturalised].

GERANIACEAE. THE GERANIUM FAMILY.

†Geranium pyrenaicum	*Mountain Geranium*	Between Ware and Hertford, etc.
† ,, molle	*Dove's-foot* ,,	
† ,, columbinum	*Long-stalked* ,,	
† ,, dissectum	*Cut-leaved* ,,	
† ,, robertianum	*Herb Robert* ,,	
† ,, lucidum	*Shining* ,,	
,, pusillum	*Small-flowered* ,,	Near Hertford (?). Not very common.
†Erodium cicutarium	*Common Erodium*	Gallows Hill, near Chadwell Springs.
†Oxalis acetosella	*Wood-sorrel*	The Heath.

ACERACEAE. THE MAPLE TRIBE.

†Acer campestre	*Common Maple*	
†[,, pseudoplatanus]	[*Sycamore*]	

AQUIFOLIACEAE. THE HOLLY TRIBE.

†Ilex aquifolium	*Common Holly*	

CELASTRACEAE. THE CELASTRUS FAMILY.

†Euonymus europaeus	*Common Spindle Tree*	

RHAMNACEAE. THE BUCKTHORN FAMILY.

Rhamnus catharticus	*Common Buckthorn*	Gallows Hill, etc.
† ,, frangula	*Alder Buckthorn*	Railway, near Amwell.

PAPILIONACEAE. THE PEAFLOWER TRIBE (a tribe of the order Leguminosae).

†Ulex europaeus	*Furze, Gorse, Whin*	
†Genista tinctoria	*Greenweed*	Skipper Field, etc.
† ,, anglica	*Needle Genista*	The Heath.
†Cytisus scoparius (Sarothamnus vulgaris)	*Broom*	The Heath.
†Ononis arvensis	*Restharrow*	
† ,, campestris (O. spinosa)	*Thorny Restharrow*	
†Medicago lupulina	*Nonsuch*	
[,, sativa]	*Lucern*	
,, falcata	*Sicklemedich*	Ware Brickfield (G.).
†Melilotus officinalis	*Common Melilot*	
,, arvensis	*Field Melilot*	Ware Brickfield.
,, alba	*White Melilot*	Ware Brickfield (G.).
†Trifolium arvense	*Haresfoot Clover*	Chadwell.
[,, incarnatum]	*Crimson Clover*	
,, ochroleucum	*Sulphur* ,,	Rare. Bayford (G.).
† ,, pratense	*Purple* ,,	
† ,, medium	*Zigzag* ,,	
† ,, striatum	*Knotted* ,,	Near Hertford (?).
† ,, repens	*Dutch* ,,	
† ,, fragiferum	*Strawberry* ,,	Near Bengeo (G.).
,, hybridum	*Alsike* ,,	
† ,, procumbens	*Hop* ,,	The Warren, Hertford (G.).
† ,, filiforme	*Slender* ,,	The Heath.
,, minus (Tr. dubium)	*Lesser* ,,	

†Anthyllis vulneraria	*Anthyllis*	Chalk-pit, Gallows Hill.
†Lotus corniculatus	*Bird's-foot Trefoil*	
,, var. major (pilosus)		
,, var. tenuis		
†Ornithopus perpusillus	*Bird's-foot Trefoil*	The Heath.
†Hippocrepis comosa	*Common Hippocrepis*	Chadwell (G.).
†Onobrychis sativa	*Sainfoin*	Gallows Hill.
†Vicia hirsuta (Ervum h.)	*Hairy Vetch*	
† ,, tetrasperma	*Slender* ,,	
,, var. gracilis		Mangrove Lane (Fl. H.).
† ,, cracca	*Tufted* ,,	
† ,, sepium	*Bush* ,,	
† ,, sativa var. angustifolia	*Common* ,,	Not common. The Heath (Fl. H.).
,, bithynica		Ware Brickfield (G.).
†Lathyrus nissolia	*Grass Pea*	
,, aphaca	*Yellow Vetchling*	Ware Brickfield (G.).
,, silvestris	*Everlasting Pea*	Near Hertford, etc. Probably not indigenous.
† ,, pratensis	*Meadow Pea*	
† ,, macrorrhizus (Orobus tuberosus)	*Tuberous Pea*	

Rosaceae. The Rose Family.

†Prunus communis	*Blackthorn*	
,, var. spinosa	*Sloe*	
,, var. institia	*Bullace*	? not indigenous.
,, cerasus	*Wild Cherry*	Rare.
,, var. avium		Avium is a tree, Cerasus proper a shrub.
†Spiraea ulmaria	*Meadow Sweet*	
†Geum urbanum	*Herb Bennet*	
†Rubus idaeus	*Raspberry*	Broxbourne Common.
† ,, fruticosus	*Blackberry*	Babington distinguishes 40 species, but see Bentham.
,, caesius	*Dewberry*	
†Fragaria vesca	*Strawberry*	
†Potentilla fragariastrum	*Strawberry-leaved Potentil*	
† ,, reptans	*Cinquefoil, Creeping Potentil*	
† ,, tormentilla	*Tormentil Potentil*	
† ,, argentea	*Hoary Potentil*	Lower Road and Great Amwell.

†Potentilla anserina	*Silverweed, Goose Potentil*	
† ,, comarum (Comarum palustre)	*Marsh Potentil*	One pond only.
†Alchemilla vulgaris	*Lady's Mantle*	
† ,, arvensis	*Parsley Piert*	
†Poterium sanguisorba	*Salad Burnet*	
†Agrimonia eupatoria	*Agrimony*	
†Rosa rubiginosa	*Sweetbriar Rose*	Near Bayford (G.). Fl. H. recognises 10 species of rose in the county.
,, canina	*Dog Rose*	See Hooker and Babington, who divide this genus into many species and sub-species.
† ,, arvensis	*Field Rose*	
†Pyrus communis	*Pear*	Broxbourne Wood (?). The Heath 'pear-trees' seem all to be crabs.
† ,, malus	*Crab Apple*	
† ,, torminalis (Sorbus t.)	*Wild Service-tree*	Woods. The Heath.
Crataegus oxyacanthus	*Hawthorn, Whitethorn*	

ONAGRACEAE. THE OENOTHERA FAMILY.

†Epilobium angustifolium	*French Willow*	Gravel-pit beyond Hertford.
† ,, hirsutum	*Great Willowherb*	
,, parviflorum	*Hoary* ,,	
† ,, palustre	*Marsh* ,,	Not common. Between Ware and Hertford (?).
† ,, montanum	*Broad* ,,	
† ,, tetragonum	*Square* ,,	Towards Hoddesdon.
†Circaea lutetiana	*Enchanter's Nightshade*	Woods.

LYTHRARIEAE. THE LYTHRUM FAMILY.

†Lythrum salicaria	*Purple Loosestrife*	The Stort, etc.
†Peplis portula	*Water Purslane*	Goose Green.

CUCURBITACEAE. THE GOURD FAMILY.

†Bryonia dioica	*Bryony, White Bryony*	

CRASSULACEAE. THE CRASSULA FAMILY.

†Sedum telephium (S. vulgare)	*Orpine, Livelong*	? not indigenous. Gravel-pit beyond Hertford.

†Sedum acre	*Wall-pepper*	On walls at Hertford, etc.
[Sempervivum tectorum]	[*Houseleek*]	[On cottage roofs].

Ribesiaceae. The Ribes Family.

[Ribes grossularia]	[*Gooseberry*]	
[,, nigrum]	[*Black Currant*]	Waterford Marsh (G.).
[,, rubrum]	[*Red Currant*]	Waterford Marsh (G.).

Saxifragiaceae. The Saxifrage Family.

†Saxifraga granulata	*Meadow Saxifrage*	Gallows Hill, etc.
† ,, tridactylites	*Rue-leaved Saxifrage*	Gravelly meadows.
†Chrysosplenium oppositifolium	*Golden Saxifrage*	Hoddesdon Brook.

Halorageae. The Marestail Family.

Myriophyllum spicatum	*Water Milfoil*	The Lea.
,, verticillatum	*Whorled Water Milfoil*	The Lea near Amwell (Fl. H.).
†Hippuris vulgaris	*Marestail*	The Lea above Hertford, etc.

Umbelliferae. The Umbellate Family.

†Hydrocotyle vulgaris	*Marsh Pennywort*	The Heath.
†Sanicula europaea	*Wood Sanicle*	The Heath.
Apium nodiflorum	*Procumbent Apium*	
† ,, inundatum	*Lesser Apium*	The Heath ; Brickendon Green.
Sison amomum	*Hedge Sison*	
Aegopodium podagraria	*Goutweed*	
Carum carvi	*Caraway*	? indigenous. Twenty Acre, 1890.
Sium angustifolium	*Lesser Sium*	Near Hertford ; near Ware.
Pimpinella saxifraga	*Burnet Saxifrage*	Near Hertford, etc.
,, magna	*Greater Burnet Saxifrage*	Mangrove Lane, etc. (Fl. H.).
Bupleurum rotundifolium	*Hare's-ear*	Hertford, near Gasworks (G.).
Oenanthe phellandrium	*Five-leaved Oenanth*	Upland Ponds.
,, var. fluviatilis		The Lea.
,, fistulosa	*Water Dropwort*	Brickendon (G.).
†Aethusa cynapium	*Fool's Parsley*	
†Silaus pratensis	*Meadow Silaus*	
Angelica silvestris	*Wild Angelica*	

†Pastinaca sativa	*Common Parsnip*	Near Rye House, etc., etc.
†Heracleum sphondylium	*Cow Parsnip*	
†Scandix pecten-veneris	*Venus' Comb*	Towards Amwell, etc.
Conopodium denudatum (Bunium flexuosum)	*Pignut*	
†Chaerophyllum temulum	*Rough Chervil*	
† ,, silvestre (Anthriscus s.)	*Wild Chervil*	
† ,, anthriscus (A. vulgaris)	*Burr Chervil*	Ware Brickfield, etc.
†Caucalis anthriscus (Torilis a.)	*Upright Caucalis*	
† ,, infesta (Torilis helvetica)	*Spreading Caucalis*	
,, nodosa (Torilis n.)	*Knotted Caucalis*	Common on chalk.
†Daucus carota	*Carrot*	
†Conium maculatum	*Hemlock*	Towards Gallows Hill, 1890.

ARALIACEAE. THE ARALIA FAMILY.

Hedera helix	*Ivy*	

LORANTHACEAE. MISTLETOE FAMILY.

†Viscum album	*Mistletoe*	S. of Balls Park; Bayfordbury Park.

CORNACEAE. THE CORNEL FAMILY.

†Cornus sanguinea	*Common Cornel* or *Dogwood*	

CAPRIFOLIACEAE. THE HONEYSUCKLE FAMILY.

†Viburnum lantana	*Wayfaring Tree*	
† ,, opulus	*Guelder Rose*	
†Sambucus nigra	*Common Elder*	
†Adoxa moschatellina	*Moscatel*	Common acc. to Fl. H. Panshanger (G.).
†Lonicera periclymenum	*Common Honeysuckle*	
,, caprifolium	*Perfoliate Honeysuckle*	Mangrove Lane (G.).

STELLATAE. THE STELLATE TRIBE (a tribe of the family Rubiaceae).

†Galium verum	*Ladies' Bedstraw*, or *Yellow Galium*	

†Galium palustre	*Marsh Galium*	
,, var. elongatum		Hoddesdon (Fl. H.).
,, var. witheringii		Near Broxbourne Station (Fl. H.).
† ,, uliginosum	*Swamp* ,,	Brickendon, etc.
† ,, saxatile	*Heath* ,,	The Heath, etc.
† ,, mollugo	*Hedge* ,,	
† ,, aparine	*Goosegrass* ,,	
,, tricorne	*Corn* ,,	Near Hertford (Fl. H.).
† ,, cruciata	*Crosswort* ,,	Rare. Near Chadwell (?).
†Asperula odorata	*Sweet Woodruff*	High Wood.
,, cynanchica	*Squinancy-wort*	Rare. Chalk-pit, Gallows Hill (Fl. H.).
†Sherardia arvensis	*Field Madder*	Cornfields.

Valerianeae. The Valerian Family.

†Valeriana dioica	*Marsh Valerian*	
† ,, officinalis	*Common Valerian Allheal*	
,, var. sambucifolia		Near Rye House.
†Valerianella olitoria	*Common Corn-salad*, or *Lamb's Lettuce*	
† ,, dentata	*Narrow-fruited Corn-salad*	S. of Hertford.
†[Centranthus ruber]	[*Red Valerian*]	[Old walls].

Dipsaceae. The Teasel Family.

Dipsacus silvestris	*Common Teasel*	
† ,, pilosus	*Small Teasel*	Easneye ; Gallows Hill (?).
†Scabiosa succisa (Succisa pratensis)	*Blue Scabious, Devil's Bit*	
† ,, columbaria	*Small Scabious*	Gallows Hill.
† ,, arvensis (Trichera a.)	*Field Scabious*	

Compositae. The Composite Family.

Sub-order I.—Corymbiferae.

(Disk florets tubular, outer ones ligulate or filiform.)

†Eupatorium cannabinum	*Hemp Agrimony*	Brickendon ; the Mimram.
Erigeron acris	*Fleabane*	Bayford Fields (G.).
[,, canadensis]		Mead Lane gravel-pits (G.).
Solidago virga-aurea	*Golden Rod*	Broxbourne Woods (?). Rare.
†Bellis perennis	*Common Daisy*	
†Filago germanica	*Common Filago*	
,, var. apiculata		Rare. Near Rye House (Fl. H.).
† ,, minima	*Field Filago*	Mangrove Lane, etc.

†Gnaphalium uliginosum	*Marsh Cudweed*	This and Filago germanica are popularly confused and both called Cudweed.
,, silvaticum	*Wood Cudweed*	Easneye.
†Inula conyza	*Ploughman's Spikenard*	Bengeo. N. of Lea not uncommon.
,, dysenterica (Pulicaria d.)	*Fleabane*	
,, pulicaria (Pulicaria vulgaris)	*Small Fleabane*	Brickendon Green.
†Bidens cernua	*Bur-Marigold, Nodding Bidens*	The Heath.
,, tripartita	*Three-cleft Bidens*	The Heath.
†Chrysanthemum leucanthemum (Leucanthemum vulgare)	*Oxeye Daisy*	
† ,, segetum	*Corn Marigold*	Common occasionally.
† ,, parthenium (Pyrethrum p.)	*Feverfew*	Near Hertford.
†Matricaria inodora	*Scentless Camomile*	
,, chamomilla	*Wild Camomile*	
†Anthemis cotula	*Fetid Camomile, Stink Mayweed*	
† ,, arvensis	*Corn Camomile*	Near Skipper Field, 1890.
,, nobilis	*Common Camomile*	Rare. Brickendon Green.
†Achillea ptarmica (Ptarmica vulgaris)	*Sneezewort*	
† ,, millefolium	*Milfoil, Yarrow*	
†Tanacetum vulgare	*Tansy*	Field below Twenty Acre, 1890.
Artemisia vulgaris	*Mugwort*	
† ,, absinthium	*Wormwood, Absinth*	Not common.
†Tussilago farfara	*Coltsfoot*	
,, petasites (Petasites officinalis)	*Butterbur*	The Lea near Bengeo Bridge.
†Senecio vulgaris	*Groundsel Senecio*	
,, viscosus	*Viscous Senecio*	Field beyond Ware; Ware Brickfield (G.).
† ,, aquaticus	*Water Senecio*	Hertford, Broxbourne Woods, etc.
† ,, jacobaea	*Ragwort Senecio*	
† ,, erucifolius	*Narrow-leaved Senecio*	Mangrove Lane, etc.
† ,, silvaticus	*Wood Senecio*	The Heath.

Sub-order II.—Cynaroideae.

(Flowers all tubular.)

†Arctium lappa	*Burdock*	Three varieties in Fl. H.
†Serratula tinctoria	*Sawwort*	Broxbourne Wood.
†Carduus marianus	*Milk Thistle*	Amwell, 1901.
† ,, nutans	*Musk Thistle*	Gallows Hill, etc.
,, pycnocephalus	*Slender Thistle*	The Heath, 1890.
† ,, acanthoides (Cirsium crispus)	*Welted Thistle*	Near Amwell; road above Gallows Hill
,, lanceolatus (Cirsium l.)	*Spear* ,,	
† ,, palustris (Cirsium p.)	*Marsh* ,,	
† ,, arvensis (Cirsium a.)	*Creeping* ,,	
,, acaulis (Cirsium a.)	*Dwarf* ,,	Panshanger Rifle Range.
† ,, pratensis (Cirsium anglicum)	*Meadow* ,,	The Heath (?).
†[Onopordon acanthium]	[*Scotch* ,,]	Amwell Gravel-pit, 1893. Not indigenous even in Scotland.
†Carlina vulgaris	*Carline*	R. Road and Brickendon Lane (G.).
†Centaurea nigra	*Knapweed, Hardheads, Black Centaurea*	
† ,, scabiosa	*Greater Centaurea*	
† ,, cyanus	*Corn Centaurea Bluebottle, Cornflower*	
,, solstitialis	*Yellow Centaurea*	Near Bramfield (G.).

Sub-order III.—Ligulatae.

(Flowers all ligulate.)

†Tragopogon pratensis	*Meadow Salsify, Yellow Goat's-beard*	
,, porrifolius	*Purple Salsify*	Near Boxwood Cottages, 1880.
†Helminthia echioides	*Ox-tongue Helminth*	Hailey Lane.
†Picris hieracioides	*Hawkweed Picris*	
Leontodon autumnalis	*Autumnal Hawkbit*	
† ,, hispidus	*Common Hawkbit*	
† ,, hirtus (Thrincia h.)	*Lesser Hawkbit*	

†Hypochaeris radicata	*Long-rooted Hypochaere*	
Lactuca muralis	*Wall Lettuce*	Near Broxbourne (?).
†Sonchus arvensis	*Corn Sowthistle*	
† ,, oleraceus	*Common Sowthistle*	
,, ,, var. asper		
Taraxacum dens-leonis (T. officinale)	*Dandelion*	Three varieties in Fl. H.
†Crepis virens	*Smooth Crepis*	
,, taraxacifolia	*Beaked Crepis*	Commoner than C. virens.
†Hieracium sabaudum (H. boreale)	*Savoy Hawkweed*	The Heath.
† ,, pilosella	*Mouse-ear Hawkweed*	
† ,, umbellatum	*Umbellate Hawkweed*	Rare. Broxbourne Wood (Fl. H.).
†Cichorium intybus	*Chicory, Succory*	
Arnoseris pusilla	*Dwarf Arnoseris*	Easneye (Fl. H.). Rare.
†Lapsana communis	*Nipplewort*	

Campanulaceae. Campanula Family.

†Jasione montana	*Sheeps-bit*	Rare. Gravel-pit at Hoddesdon (Fl. H.).
†Campanula glomerata	*Clustered Campanula*	Rare. Chalk-pits, etc.
,, trachelium	*Nettle-leaved Campanula*	Rare. Near Stapleford (G.).
† ,, rotundifolia	*Harebell*	
†[,, hybrida] (Specularia h.)		Field above Chadwell, 1889.

Ericaceae. The Heath Family.

†Erica vulgaris (Calluna v.)	*Common Heath, Ling*	The Heath.

Primulaceae. The Primrose Family.

†Hottonia palustris	*Water Violet, Featherfoil*	Ditches near the Lea. N.B.—The name 'Violet' is misleading.
†Primula vulgaris	*Primrose*	
† ,, veris	*Cowslip*	
† ,, elatior	*Oxlip*	Lea Meadows.
†Lysimachia nummularia	*Moneywort*	Mississippi Field.
† ,, nemorum	*Woodland Loosestrife*	Woods.
†Anagallis arvensis	*Pimpernel, Shepherd's Weatherglass*	

Lentibulaceae. The Pinguicula Family.

Utricularia vulgaris	*Bladderwort*	Rare. Pembridge Lane (Fl. H.); Hoddesdon Marsh (Fl. H.).

Oleaceae. The Olive Family.

†Fraxinus excelsior	*Ash*	
†Ligustrum vulgare	*Privet*	

Apocynaceae. The Periwinkle Family.

†Vinca minor	*Lesser Periwinkle*	Rare. Box Wood (Fl. H.).
†[Vinca major]	[*Larger Periwinkle*]	

Gentianaceae. The Gentian Family.

†Gentiana amarella	*Autumn Gentian*	Between Chadwell and Ware Road (?).
†Erythraea centaurium	*Centaury*	Orchis Field.
†Menyanthes trifoliata	*Buckbean, Marsh Trefoil*	Formerly in Pembridge Lane: extinct 1901.
†Chlora perfoliata (Blackstonia p.)	*Yellow-wort*	Orchis Field, but not for some years. Stanstead (Fl. H.).

Polemoniaceae. The Polemonium Family.

[Polemonium caeruleum]	[*Greek Valerian, Jacob's Ladder*]	[Near the Ash].

Convolvulaceae. The Convolvulus Family.

†Convolvulus arvensis	*Lesser Convolvulus, Bindweed*	
,, sepium	*Larger Convolvulus*	
[Cuscuta trifolii]	[*Dodder*]	Balls Wood; Easneye; Hoddesdon (Fl. H.).

Boragineae. The Borage Family.

[Borago officinalis]	[*Borage*]	[Rubbish heaps, etc.].
†Asperugo procumbens	*Madwort*	Near Bengeo Lock; Lines' Brickfield (G.).
†Symphytum officinale	*Comfrey*	
†Lycopsis arvensis	*Small Bugloss*	Cornfields.
†Echium vulgare	*Viper's Bugloss*	
[Echinospermum lappula]		Near Ware Park Mill (G.).
†Lithospermum officinale	*Gromwell*	Rare. Ware Park; Easneye (Fl. H.).
† ,, arvense	*Corn Gromwell*	Cornfields.

†Myosotis palustris	*Forget-me-not*	
† ,, var. caespitosa		
† ,, arvensis (M. intermedia)	*Field Forget-me-not*	
† ,, collina	*Early Forget-me-not*	Tewin Road (G.).
† ,, versicolor	*Changing Forget-me-not*	The Heath.
†Cynoglossum officinale	*Hound's Tongue*	Hatfield Park.

SOLANACEAE. THE SOLANUM FAMILY.

[Datura stramonium]	[*Thorn-apple*]	Ware Park Brickfield (Fl. H.).
Hyoscyamus niger	*Henbane*	On sand-heap at Haileybury, 1892. Amwell Gravel-pit, 1900.
†Solanum dulcamara	*Bittersweet*	
† ,, nigrum	*Black Solanum*	Hertford.
†[Lycium barbarum]		Near Cottage Gardens.

OROBANCHACEAE. THE BROOMRAPE FAMILY.

†Orobanche major (O. rapum)	*Great Broomrape*	The Heath. On leguminous plants.
,, elatior	*Tall Broomrape*	Gallows Hill a few years back. On Centaurea.
,, caerulea (Philipaea c.)	*Blue Broomrape*	Rare. Hoddesdon Fields. On Milfoil.
,, minor	*Lesser Broomrape*	Golf Links (G.).

SCROPHULARINEAE (Personatae) THE SCROPHULARIA FAMILY.

Verbascum thapsus	*Great Mullein*	Gallows Hill, etc.
† ,, nigrum	*Dark Mullein*	
,, virgatum	*Twiggy Mullein*	Ware Park Mill (G.).
†Scrophularia nodosa	*Figwort, Knotted Scrophularia*	
† ,, aquatica	*Water Scrophularia*	
[Antirrhinum orontium]	*Lesser Snapdragon*	Stapleford (G.).
†Digitalis purpurea	*Foxglove*	
Linaria vulgaris	*Toadflax, Common Linaria*	
,, minor (L. viscida)	*Lesser Linaria*	
† ,, spuria	*Round-leaved Linaria*	Field E. of Mississippi, near Bride's Farm.
† ,, elatine	*Pointed Linaria*	Ditto.
,, cymbalaria	*Ivy Linaria*	Not common. Ware (Fl. H.).

†Veronica officinalis	*Common Veronica* or *Speedwell*	
† ,, chamaedrys	*Germander* ,,	
† ,, montana	*Mountain* ,,	Not uncommon.
† ,, scutellata	*Marsh* ,,	Goose Green.
† ,, beccabunga	*Brooklime* ,,	The Lea.
† ,, anagallis	*Water* ,,	
† ,, serpyllifolia	*Thyme-leaved* ,,	
† ,, arvensis	*Wall* ,,	
† ,, buxbaumii (V. persica)	*Buxbaum's* ,,	Probably not indigenous.
† ,, agrestis	*Procumbent* ,,	Three varieties are recognised.
† ,, hederaefolia	*Ivy* ,,	
†[Mimulus luteus]	[*Yellow Mimulus*]	[Lea near St. Margarets].
†Euphrasia officinalis	*Eyebright*	
†Rhinanthus crista-galli	*Common Rattle*	
†Pedicularis palustris	*Red Rattle*	Rare. Amwell (Fl. H.).
† ,, silvatica	*Lousewort*	The Heath.
Melampyrum cristatum	*Crested Melampyre*	Rare. Easneye; Stanstead (Fl. H.).
† ,, pratense	*Common Melampyre*	
†Bartsia odontites (Odontites serotina)	*Red Bartsia*	

LABIATAE. THE LABIATE FAMILY.

†Teucrium scorodonia	*Wood Germander, Wood Sage*	
†Ajuga reptans	*Creeping Bugle*	
†Salvia verbenaca	*Wild Sage*	Below Bengeo. Amwell Gravel-pit, 1901.
†Scutellaria galericulata	*Skullcap*	The Stort, etc.
†Prunella vulgaris	*Self-heal*	
†Lamium amplexicaule	*Henbit*	Hoddesdon Fields.
† ,, purpureum	*Red Dead Nettle*	
,, var. dissectum (incisum)		Opposite the Cowper School, Hertford (Fl. H.).
† ,, album	*White Dead Nettle*	
†Lamium galeobdolon (G. luteum)	*Yellow Dead Nettle*	
†Galeopsis tetrahit	*Common Galeopsis, Tetrahit*	Near Bengeo Lock.
† ,, var. speciosa or versicolor		Near Roman Road.

Galeopsis ladanum	*Red Galeopsis*	Mangrove Lane ; Brickendon (Fl. H.).
†Stachys betonica (Betonica officinalis)	*Betony Stachys*	
† ,, silvatica		
† ,, palustris	*Marsh Stachys*	River banks near Hertford.
† ,, arvensis	*Field Stachys*	Near Orchis Field; Brickendon (Fl. H.).
†Ballota nigra	*Black Ballota*	
†Marrubium vulgare	*White Horehound*	Rare. Amwell Gravel-pit, 1901.
†Nepeta cataria	*Catmint*	
† ,, glechoma (Glechoma hederacea)	*Ground Ivy*	
†Calamintha clinopodium (Clinopodium vulgare)	*Hedge Calamint, Wild Basil*	
,, acinos	*Field Calamint, Basil Thyme*	Near Gallows Hill.
†Origanum vulgare	*Wild Marjoram*	Chadwell (?). N. of Lea.
†Thymus serpyllum	*Wild Thyme*	Lower Road.
Mentha rotundifolia	*Round-leaved Mint*	Rare. Near Broxbourne (G.).
,, longifolia	*Horse* ,,	Rare.
† ,, aquatica (M. hirsuta)	*Water* ,,	
,, sativa	*Penny-royal* ,,	
,, arvensis	*Corn* ,,	
,, pulegium	*Penny-royal* ,,	Brickendon (G.).
†Lycopus europaeus	*Gipsywort*	Ware Brickfield ; near Balls Park.

VERBENACEAE. THE VERVEIN FAMILY.

Verbena officinalis	*Vervein*	Roadsides.

PLANTAGINEAE. THE PLANTAIN FAMILY.

†Plantago coronopus	*Bucks-horn Plantain*	Rare. Gallows Hill.
† ,, media	*Hoary* ,,	
† ,, major	*Greater* ,,	
† ,, lanceolata	*Ribwort* ,,	

PARONYCHIACEAE (Scleranthea). THE PARONYCHIA FAMILY.

†Scleranthus annuus	*Knawel*	Field by High Wood.

CHENOPODIACEAE. THE GOOSEFOOT FAMILY.

Chenopodium rubrum	*Red Goosefoot*	Mangrove Lane (Fl. H.).
† ,, bonus-henricus	*Perennial Goosefoot, Good King Henry*	Not common. By Hertford Gasworks (Fl. H.).

	Chenopodium urbicum	*Upright Goosefoot*	Rare. Ware Brickfield (G.).
†	,, album	*White* ,,	Three varieties are recognised.
	,, ficifolium	*Figleaved* ,,	Not common. Rye House (Fl. H.); Broxbourne Station (Fl. H.).
	,, polyspernum	*Many-seeded* ,,	Near Franksfield Farm (G.).
	,, hybridum	*Maple-leaved* ,,	Ware Brickfield (G.).
	Atriplex patula	*Common Orache*	
	,, var. angustifolia		
	,, var. erecta		Rare. Mangrove Lane (?).
	,, var. deltoidea		Hertford Gasworks (?).
	,, hastata	*Hastate-leaved Orache*	Lea Valley (?).

Polygonaceae. The Polygonum Family.

	Rumex hydrolapathum	*Water Dock*	The Lea.
†	,, crispus	*Curled Dock*	
	,, obtusifolius	*Broad Dock*	
†	,, sanguineus	*Red-veined Dock*	
	,, conglomeratus	*Clustered Dock*	
	,, pulcher	*Fiddle Dock*	Rare. Hertford (?); Hoddesdon (?).
†	,, acetosa	*Sorrel*	
†	,, acetosella	*Sheep-sorrel*	
†	Polygonum dumetorum	*Copse Polygonum*	Rare. Cornfield nr. Mississippi, 1901.
†	,, convolvulus	*Climbing Buckwheat, Black Bindweed*	
	,, bistorta	*Bistort, Snakeweed*	Meadows.
†	,, amphibium	*Amphibious Polygonum*	Ditches by the Lea.
†	,, lapathifolium	*Pale Polygonum*	On rubbish occasionally. A variety called "maculatum" or "laxum" in Fl. H.
†	,, persicaria	*Persicaria* ,,	
	,, hydropiper	*Waterpeper* ,,	
†	,, aviculare		Four varieties in Fl. H.
†[	,, fagopyrum]	[*Buckwheat*]	Ware Brickfield, 1889.

Aristolochiaceae. The Aristolochia Family.

[	Aristolochia clematitis]		[Old ruins].

Euphorbiaceae. The Spurge Family.

	Euphorbia platyphyllos	*Broad Spurge*	Rare. Mangrove Lane (Fl. H.); Bayford fields (G.).

†Euphorbia helioscopia	*Sun Spurge*	
† ,, amygdaloides	*Wood* ,,	
,, peplus	*Petty* ,,	
† ,, exigua	*Dwarf* ,,	
,, esula	*Leafy* ,,	Gravel-pit beyond Hertford.
†Mercurialis perennis	*Dog's Mercury*	
,, annua	*Annual Mercury*	Rare. Ware Park Brickfield (?).

CALLITRICHINEAE. THE CALLITRICHE FAMILY.

†Callitriche aquatica	*Callitriche*	Fl. H. recognises four species.
Ceratophyllum demersum	*Hornwort*	The Mimram ; the Lea (Fl. H.).

URTICACEAE. THE NETTLE FAMILY.

†Urtica urens	*Small Nettle*	
† ,, dioica	*Common Nettle*	
†Parietaria officinalis (P. diffusa)	*Wall Pellitory*	Near Ware Bridge (G.).
†Humulus lupulus	*Common Hop*	

ULMACEAE. THE ELM FAMILY.

†Ulmus montana	*Wych Elm*	
,, campestris	*Common Elm*	Seed not fertile.

AMENTACEAE. THE CATKIN FAMILY.

†Alnus glutinosa	*Alder*	
†Betula alba (B. verrucosa)	*Common Birch*	
†Carpinus betulus	*Hornbeam*	Very common.
Corylus avellana	*Hazel*	
†Fagus silvatica	*Beech*	
Quercus robur	*British Oak*	
† ,, var. pedunculata		
† ,, var. sessiflora		Parks.
†Salix fragilis	*Crack Willow*	Many of these willows may be found by the Lea near the Bengeo bridge.
† ,, russelliana	*Russell* ,,	
† ,, alba	*Common* ,,	
† ,, triandra		
† ,, purpurea	*Purple* ,,	
† ,, viminalis	*Osier* ,,	
† ,, caprea	*Sallow* ,,	
,, aurita	*Round-eared Willow*	
,, cinerea	*Ashen Willow*	
† ,, repens	*Creeping Willow*	The Heath.

Populus alba	*White Poplar, Abele*	
,, tremula	*Aspen*	
[,, nigra]	[*Black Poplar*]	[Bengeo, etc.].
†[Juglans regia]	[*Walnut*]	[Bevan's Avenue].
[Castanea]	[*Spanish Chestnut*]	[Ware Park, etc.].

Coniferae. The Pine Family.

[Pinus silvestris]	[*Scotch Fir, Norway Pine*]	Indigenous in the Scotch Highlands.
†[Abies excelsa]	[*Common Spruce*]	From Norway.
†[Larix europaea]	[*Larch*]	
[Taxus baccata]	[*Yew*]	Indigenous in hilly parts of England.

CLASS II.—MONOCOTYLEDONS.

Typhaceae. The Reedmace Family.

†Typha latifolia	*Bulrush, Cat's-tail, Reed Mace*	
†Sparganium ramosum	*Branched Sparganium, Bur-reed*	
,, simplex	*Simple Sparganium*	Between Ware and Hertford (Fl. H.).

Aroideae. The Arum Family.

†Arum maculatum	*Cuckoo Pint, Lords and Ladies*	

Lemnaceae. The Duckweed Family.

†Lemna polyrrhiza (Spirodela r.)	*Greater Duckweed*	Hoddesdon Marsh.
,, trisulca	*Ivy-leaved* ,,	The Lea and its ditches.
,, minor	*Lesser* ,,	
,, gibba	*Gibbous* ,,	The Heath (Fl. H.).

Naiadeae. The Naiad Family.

Zannichellia palustris	*Horned Pondweed*	Amwell Marsh (Fl. H.).
†Potamogeton natans	*Broad* ,,	The Heath.
† ,, lucens	*Shining* ,,	The Lea and the Stort.
,, perfoliatus	*Perfoliate* ,,	The Lea.
,, crispus	*Curly* ,,	The Lea.
† ,, densus	*Opposite* ,,	The Lea.
,, pusillus	*Slender* ,,	Rivers and ditches.
,, flabellatus		The Lea at Ware (Fl. H.).
† ,, pectinatus	*Fennel* ,,	The Lea (Fl. H.).

Alismaceae. The Alisma Family.

†Butomos umbellatus	*Flowering Rush*	Lea and Stort.
†Alisma plantago	*Water Plantain*	Rivers and ponds.
Triglochin palustre	*Arrowgrass*	Chadwell, 1889.
Sagittaria sagittifolia	*Arrowhead*	Ditches between Ware and Hertford.

Hydrocharideae. The Hydrocharis Family.

†[Elodea canadensis] (Anacharis alsinastrum)	[*American Weed*]	[The Heath. First observed in England in 1847].

Orchidaceae. The Orchid Family.

†Epipactis latifolia	*Broad Epipactis*	Rare. Balls Wood (G.).
†Neottia nidus-avis	*Bird's-nest Orchis*	N.B.—This is an orchid, but not an orchis. The Heath.
†Listera ovata	*Twayblade*	The Heath, etc.
†Orchis morio	*Greenwinged Orchis*	Orchis Field.
† ,, maculata	*Spotted* ,,	
† ,, mascula	*Early* ,,	
† ,, pyramidalis	*Pyramidal* ,,	On chalk, near Chadwell (Fl. H.).
† ,, conopsea (Anacamptis p.)	*Fragrant* ,,	Chadwell (G.).
†Habenaria bifolia (Platanthera chlorantha)	*Butterfly Orchis* or *B. Habenaria*	See note on Neottia.
† ,, viridis (Coeloglossum viride)	*Green Habenaria*	Near Brickendon Green (G.).
†Ophrys apifera	*Bee Orchis*	See note on Neottia. R. Road.

Irideae. The Iris Family.

†Iris pseudacorus	*Yellow Flag*	Lea Valley.
† ,, foetidissima	*Fetid Iris, Gladdon, Roast-beef Plant*	Lane near High Lea not long ago, and Wormleybury.

Amaryllideae. The Amaryllis Family.

Narcissus pseudo-narcissus	*Daffodil*	Cole Green (Fl. H.).
Leucoium aestivum	*Summer Snowflake*	St. Margarets, 1891.

Dioscorideae. The Yam Family.

†Tamus communis	*Black Bryony*	

Liliaceae. The Lily Family.

†Paris quadrifolia	*Herb Paris*	Wood below Wood Field.
Convallaria majalis	*Lily of the Valley*	Wood beyond the Heath (Fl. H.).

†Fritillaria meleagris	*Fritillary, Snake's Head*	Lane near Hoddesdon Marsh (G.). ? not indigenous.
Ruscus aculeatus	*Butcher's Broom*	Epping Forest.
Ornithogalum umbellatum	*Star of Bethlehem*	Meadows (G.).
†Scilla nutans	*Bluebell, Bluebell Squill*	
†Allium vineale	*Crow Allium*	Beyond Mississippi Field.
,, ursinum	*Ramsons*	Stapleford (G.).

JUNCACEAE. THE RUSH FAMILY.

†Juncus communis	*Common Rush*	
,, var. conglomeratus		
,, var. effusus		
† ,, glaucus (J. diffusus)	*Hard Rush*	The Heath.
† ,, articulatus (J. silvaticus)	*Jointed Rush*	The Lea, the Stort, the Heath.
,, var. lamprocarpus		See Fl. H.
† ,, bufonius	*Toad Rush*	The Heath.
†Luzula pilosa (L. vernalis)	*Hairy Woodrush*	Woods.
,, silvatica (L. maxima)	*Great Woodrush*	Rare. Broxbourne Wood (Fl. H.).
† ,, campestris	*Field Woodrush*	
† ,, erecta (L. multiflora)		Woods (?). ? a variety of campestris.

CYPERACEAE. THE SEDGE FAMILY.

Eriophorum polystachyum (E. angustifolium)	*Common Cottonsedge*	Near Rye House, 1889.
†Scirpus silvaticus	*Wood Scirpus*	Broxbourne Wood.
† ,, lacustris	*Lake* ,,	The Stort, etc.
† ,, setaceus (Isolepis setacea)	*Bristle* ,,	The Heath; near Sick House, 1889.
,, fluitans (Eleogiton f.)	*Floating* ,,	Rare. Brickendon Green (Fl. H.).
† ,, palustris (Eleocharis p.)	*Creeping* ,,	Ditch near Chadwell.
†Carex pseudocyperus	*Cyperus-like Carex*	Mangrove Lane.
† ,, paludosa (C. acutiformis)	*Marsh* ,,	The Lea.
,, var. riparia	*River-bank* ,,	The Lea.

Carex vesicaria	*Bladder*	*Carex*	Broxbourne Wood (Fl. H.).
,, ampullacea (C. rostrata)	*Bottle*	,,	Near the Heath; near Pembridge Lane (Fl. H.).
† ,, hirta	*Hairy*	,,	Broxbourne Wood.
,, pendula	*Pendulous*	,,	Box Wood, etc., etc.
† ,, silvatica	*Wood*	,,	Woods.
,, strigosa	*Thinspiked*	,,	Not common. Roman Road.
† ,, distans	*Distant*	,,	Rare. Only the var. binervis is found.
,, var. binervis			The Heath, 1890.
† ,, flava (C. lepidocarpa)	*Yellow*	,,	The Heath, 1890. The Lea, a little above Hertford.
† ,, praecox	*Vernal*	,,	Box Wood, 1889.
† ,, pilulifera	*Pill-headed*	,,	The Heath.
† ,, glauca	*Glaucous*	,,	The Heath, etc.
† ,, pallescens	*Pale*	,,	Broxbourne Wood.
,, panicea	*Carnation*	,,	Box Wood, 1889.
,, acuta (C. gracilis)	*Acute*	,,	Rare. Between Hertford and Ware (Fl. H.).
† ,, caespitosa (C. vulgaris)	*Tufted*	,,	The Heath, 1889.
† ,, leporina	*Oval*	,,	The Heath.
† ,, stellulata (C. echinata)	*Star-headed*	,,	Not common. The Heath, 1890.
† ,, axillaris	*Axillary*	,,	Balls Wood, 1890.
,, boenningshausiana			Near the Heath (Fl. H.). Seemingly hybrid between C. axillaris and remota.
† ,, remota	*Remote*	,,	Hertford Road, Brickendon, etc.
† ,, vulpina	*Fox*	,,	Field right of Roman Road, etc.
† ,, muricata	*Prickly*	,,	Hertford Rd.; Mangrove Lane (Fl. H.).
† ,, var. divulsa			Fairly common by roadsides.
† ,, paniculata	*Panicled*	,,	Mangrove Lane.
† ,, var. teretiuscula			Near Pembridge Lane.
† ,, disticha			Ditches near Chadwell, 1890.
,, pulicaris	*Flea*	,,	Hoddesdon Marsh (Fl. H.).

Gramineae. The Grass Family.

Panicum viride (Setaria v.)	*Green Panicum*	Rare.	Near Gasworks, Hertford (Fl. H.). I have searched in vain for them there.
[,, glaucum] (Setaria g.)	[*Glaucous* ,,]	[Rare].	
[,, verticillatum] (Setaria v.)	[*Rough* ,,]	[Rare].	
[,, sanguinale]	[*Fingered* ,,]	[Rare. A weed of cultivation].	

[Panicum crus-galli]	[*Cockspur Panicum*]	[Rare. Gasworks, Hertford (?)].
†Anthoxanthum odoratum	*Sweet Anthoxanth, Vernal Grass*	
†Digraphis arundinacea (Baldingera a.)	*Reed Digraphis*	The Lea.
†[Phalaris canariensis]	[*Canary Phalaris*]	[Rubbish heaps].
Phleum pratense	*Timothy Grass, Cat's-tail*	
,, boehmeri (Ph. phalaroides)	*Boehmer's Phleum*	Gallows Hill (Fl. H.).
†Alopecurus pratensis	*Meadow Fox-tail*	
† ,, agrestis (A. myosuroides)	*Slender Fox-tail*	Common exc. on gravel.
† ,, geniculatus	*Marsh Fox-tail*	Heath ponds and near Rush Green, 1889 and 1890.
,, var. fulvus		Rare. Pond near Brickendon.
†Cynosurus cristatus	*Crested Dog's-tail*	
Arundo phragmites (Phragmites communis)	*Common Reed*	The Lea.
†Calamagrostis epigeios	*Wood Smallreed*	Rather rare. Mangrove Lane; the Heath (Fl. H.).
,, lanceolata	*Purple Smallreed*	By roadsides (?), 1889.
†Agrostis alba (A. palustris)	*Common Agrostis*	
,, vulgaris		Bentham seems not to distinguish this from Alba.
,, var. pumila		See Fl. H. and Hooker.
† ,, canina	*Brown Agrostis*	The Heath. Not common acc. to (Fl. H.).
† ,, spicaventi (Apera sp.)	*Silky Agrostis*	Towards Rye House (Fl. H.).
Milium effusum	*Spreading Milium*	
†Molinia caerulea (M. varia)	*Purple Molinia*	Rather rare. The Heath (Fl. H.).
†Holcus mollis	*Soft Holcus*	
† ,, lanatus	*Common Holcus*	
†Arrhenanthum avenaceum	*Common False-Oat*	
Avena fatua	*Wild Oat*	On chalk or clay.
,, pratensis	*Perennial Oat*	Near Gallows Hill.
† ,, var. pubescens		
† ,, flavescens	*Yellow Oat*	Lower Road, 1890.

†Aira caryophyllea (Avena c.)	*Hair Grass, Silvery Aira*	The Heath (Fl. H.).
,, praecox (Avena pr.)	*Early Aira*	
† ,, caespitosa	*Tufted Aira*	
†Koeleria cristata	*Crested Koeleria*	Gallows Hill, 1889.
†Triodia decumbens (Sieglingia d.)	*Decumbent Triodia*	The Heath.
†Melica uniflora	*Wood Melick*	Woods and hedges.
†Dactylis glomerata	*Clustered Cock's-foot*	
†Festuca myurus (Vulpia m.)	*Rat's-tail Fescue*	Gravel-pits.
,, var. bromoides (Vulpia sciuroides)		Near Gallows Hill (Fl. H.).
† ,, elatior	*Meadow Fescue*	
,, var. arundinacea		Not uncommon. Chadwell (Fl. H.).
,, var. loliacea		
,, var. pratensis		
† ,, ovina	*Sheep's Fescue*	Not common. The Heath (Fl. H.).
† ,, var. duriuscula		Common.
†Bromus sterilis	*Barren Brome*	
† ,, asper (B. ramosus)	*Hairy Brome*	
† ,, arvensis	*Field Brome*	Not indigenous acc. to Fl. H. Occasional. Mangrove Lane (Fl. H.).
,, var. secalinus		
† ,, var. mollis		
,, var. racemosus		
,, var. commutatus		Occasional near Hertford (?).
† ,, giganteus (Festuca g.)	*Tall Brome*	Near Hertford.
†Poa aquatica (Glyceria a.)	*Reed Poa*	The Lea.
,, fluitans (Glyceria fl.)	*Floating Poa*	Ponds.
,, var. pedicellata		Ditches at Ware (Fl. H.).
,, plicata		By the Stort (Fl. H.).
† ,, rigida (Sclerochloa r.)	*Hard Poa*	Lines' Brickfield.
† ,, pratensis	*Meadow Poa*	
† ,, trivialis	*Roughish Poa*	
† ,, nemoralis	*Wood Poa*	Brickendon (Fl. H.).
,, compressa	*Flattened Poa*	Not uncommon on chalk and old walls.
† ,, annua	*Annual Poa*	
†Briza media	*Quaking-grass*	

Catabrosa aquatica	*Water Catabrose*	Rare. Ditches near Ware.
†Hordeum pratense (H. secalinum)	*Meadow Barley*	Moist meadows.
† ,, murinum	*Wall Barley*	Roadsides.
†Agropyrum repens (Triticum r.)	*Couch Agropyrum*	Wheat is of the genus Triticum. It is of supposed Oriental origin.
† ,, caninum (Triticum c.)	*Fibrous Agropyrum*	On chalk, near Gallows Hill (Fl. H.).
†Brachypodium silvaticum	*Slender False-Brome*	Hedges.
Lolium temulentum	*Darnel*	Not common. Near Gallows Hill.
† ,, perenne	*Ryegrass*	
†Nardus stricta	*Matgrass*	The Heath.

FLORA.

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